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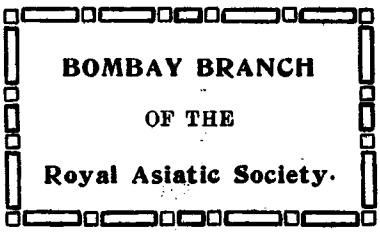

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STATISTICAL TABLES

RELATING TO

INDIAN COTTON

Indian Spinning and Weaving Mills,

THEIR PRODUCTION AND ITS DISTRIBUTION,

WITH A LIST OF THE

STEAM PRESSES IN THE COUNTRY.

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Bombay:
PRINTED AT THE "TIMES OF INDIA" STEAM PRESS.

1889.

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PREFACE.

In publishing this compilation of Statistics relating to the Cotton Trade of India, her Mills and their manufactures, I am presuming enough to imagine that the information I have collected and tabulated during the leisure hours of several years, will be found useful not only by my brother merchants in Bombay, but also by many others engaged in commerce in other parts of the world. That errors of omission and commission may be met with, in the accompanying pages, and that others more competent than myself may form different, and more accurate conclusions, from the data given, I am prepared to admit. All I ask is that those who meet with errors will kindly bring them to my notice, so that should another edition be hereafter called for, I may have the opportunity of rectifying them.

The difficulty of drawing conclusions from Indian Statistics is delightfully sketched in the following words by the writer of a recently issued pamphlet by the Government of India, on Indian Wheat. In replying to an American critic who disputed the fact that the cultivation of Wheat was increasing in this country, he writes :—"Unfortunately he seems to be ignorant that safe pilotage among the shifting sands and tortuous channels of Indian Statistics demands as much skill and familiarity with local conditions as navigation among the rapids of American waters, and he has been wrecked on one of those shoals occasioned by changes in the system of compilation to which the endeavours of the Government of India to reach a higher standard of accuracy and completeness from time to time give rise." Having some knowledge of local conditions I trust I have steered my little barque clear of some of the shoals and quicksands referred to, but it is possible that in my long voyage I have sustained some losses and injuries, while passing through difficult channels, that may hereafter be pointed out by those who chance to notice what may have escaped my attention.

For ready compliance in replying to enquiries, directly or indirectly, I have to express my thanks to the Department of Revenue and Agriculture, Government of India, and especially to Mr. J. E. O'Conor, Assistant Secretary, whose annual reports on the Trade of India are as interesting, as they are useful. Also to the Provincial Governments; to the Director of Agriculture, Bombay; to the Proprietors of the *Times of India* and *Bombay Gazette* for the use of their files of Circulars; to the Hon. F. Forbes Adam, C.I.E., Chairman of the Bombay Chamber of Commerce; to the Secretaries of the Bombay, Calcutta, Madras and Kurrachee Chambers of Commerce; and to the following firms:—Messrs. Wallace & Co., Breul & Co., and the Mofussil Co., Ld., Bombay; Messrs. Kilburn & Co., and Anderson, Wright & Co., Calcutta; Messrs. A. McHinch & Co., Kurrachee; Messrs. Dymes & Co., and Wilson & Co., Madras; Messrs. Hall, Wilson & Co., and Simson Brothers, Cocanada; Messrs. R. P. Gill & Co., Guntoor; and to Messrs. Darley, Butler & Co., Tuticorin. My thanks are also due to the Government of India for permission to reproduce, on a small scale, the Cotton Map of India, and to Mr. T. LeMessurier, the Superintendent of the Government Photozincographic Office, Poona, for the excellent result.

A. F. B.

BOMBAY, *December* 1889.

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"	"	Central India.	Do. ...	Do. in Central India, June 30, 1889.
"	"	Bengal ...	Do. ...	Do. in Bengal do.
"	"	N. W. Provinces.	Do. ...	Do. in the N.-W. Provinces do.
"	"	Madras ..	Do. ...	Do. in Madras do.
"	"	Travancore	Do. ...	Do. in Travancore do.
"	"	Mysore ...	Do. ...	Do. in Mysore do.
"	"	Pondicherry	Do. ...	Do. in Pondicherry do.
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110	81	Travancore	Do. ...	Do. in Travancore do.
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No. 1.

Area and Population of India, Census, 1881.

Presidencies or Provinces.	Under Government of	Area in Square Miles.	Population, Census, 1881.	Density of Population to Sq. Mile.
Bombay and Sindh	Governor of Bombay	124,122	16,454,414	132·5
Aden	Do.	70	34,860	498·0
Native States	Do.	73,753	6,941,249	94·1
Baroda	Viceroy of India	8,570	2,185,005	254·9
Berars	Do.	17,711	2,672,673	150·9
Central Provinces	Chief Commissioner	84,445	9,838,791	116·5
Do. Native States	Do.	28,834	1,709,720	59·3
Central India	Viceroy of India	75,079	9,261,907	123·3
Rajputana	Do.	129,750	10,268,392	79·1
Ajmere and Mhairwara ...	Do.	2,711	460,722	169·9
N.-W. Provinces and Oudh ...	Lieutenant-Governor	106,111	44,107,869	415·6
Do. Native States.	Do.	5,125	741,750	144·7
Punjab	Do.	106,632	18,850,437	176·8
Do. Native States ...	Do.	35,817	3,861,683	107·8
Bengal	Do.	150,588	66,691,456	442·8
Do. Native States ...	Do.	36,634	2,845,405	77·6
Hyderabad	H. H. the Nizam	81,807	9,845,594	120·3
Mysore	Rajah of Mysore	24,723	4,186,188	169·3
Coorg	Viceroy of India	1,583	178,302	112·6
Madras	Governor of Madras	139,900	30,868,504	220·6
Do. Native States ...	Do.	9,638	3,344,849	347·0
Assam	Chief Commissioner	46,341	4,881,426	105·3
Burmah (Lower)	Do.	87,220	3,736,771	42·8
Andaman Islands	Viceroy of India	880	14,628	16·6
	Total ...	1,378,044	253,982,595	184·3
British Territory	Total ...	868,314	198,790,853	228·9
Native States	Total ...	509,730	55,191,742	108·2

253,982,595 337·1

No. 2.

Area—Districts of India.

To accompany the Cotton Map of India.

Presidency or Province.	Divisions.	Districts.	Area in Square Miles.
Bombay Presidency.	Northern ...	Ahmedabad ...	3,821
		Kaira	1,609
		Panch Mahals...	1,613
		Broach ...	1,453
		Surat	1,662
		Thana	4,243
		Kolaba ...	1,496
		Total...	15,897
	[Baroda State.]	Amreli ...	1,560
		Kadi	3,158
		Navsari ...	1,940
		Baroda ...	1,912
		Total....	8,570
	[Native States.]	Cutch	6,500
		Kathiawar ...	20,559
		Palanpur ...	8,000
		Mahi Kantha...	11,049
		Rewa Kantha...	4,792
		Nauikot ...	143
		Cambay ...	350
	Surat Agency. [N. States.]	Bansda ..	1,220
		Sachin ...	
		Dharampor ...	
		Jawhar ...	534
		Janjira ...	325
		Total...	53,472
	Central ...	Khandesh ...	9,944
		Nasik	5,940
		Ahmednagar ...	6,666
		Poona	5,348
		Sholapur ...	4,521
		Satara... ...	4,988
		Total...	37,407
	[Native States.]	Darag States...	3,840
		Satara Jaghirs.	3,314
		Akalkot ...	498
		Total...	7,652
	Southern ...	Belgaum ...	4,657
		Dharwar ...	4,535
		Kaladgi ...	5,757
		Kanara ...	3,911
		Rutnagiri ...	3,922
		Total...	22,782
	[Native States.]	Kolhapur ...	2,816
		Savantvadi ...	900
		S. Maharatta Jaghirdars...	2,734
		Savanur ...	70
		Total...	6,520
	Sind ...	Karachi ...	14,115
		Hyderabad ...	9,030
		Shikarpur ...	10,001
		Thar & Parkar	12,729
		Frontier Upper Sind ...	2,139
		Total....	48,014
	[N. State] ...	Khairpur ...	6,109
	Bombay City & Island ...		22
	Total British Territory...		124,122
	Total Native States...		82,323
	Grand Total Bombay..		**206,445**

Presidency or Province.	Divisions.	Districts.	Area in Square Miles.
Berar.	Berar ...	Amroati ...	2,759
		Akola	2,660
		Ellichpur ...	2,623
		Buldana ...	2,804
		Wun	3,907
		Basim	2,958
	Grand Total Berar..		**17,711**
Central Provinces.	Nagpur ...	Nagpur ...	3,786
		Bhandara ...	3,922
		Chanda ...	10,785
		Wardha ...	2,401
		Balaghat ...	3,146
		Total...	24,040
	[N. State] ...	Bastar... ...	13,062
	Jubbulpore..	Jubbulpore ...	3,918
		Saugor ...	4,005
		Damoh ...	2,799
		Seoni	3,247
		Mandla ...	4,719
		Total...	18,688
	Nerbudda ...	Hoshangabad ..	4,437
		Narsingbpur ...	1,916
		Betul	3,905
		Chhindwara ...	3,915
		Nimar... ...	3,340
		Total...	17,513
	[N. State.] ...	Makrai ...	215
	Chhattisgarh	Raipur ...	11,885
		Bilaspur ...	7,798
		Sambalpur ...	4,521
		Total...	24,204
	[Native States.]	Chhuikhadan...	174
		Kanker ...	639
		Khairagarh ...	940
		Nandgaon ...	905
		Kawardha ...	887
		Sakti ...	115
		Kalahandi ...	3,745
		Raigarh ...	1,486
		Sarangath ...	540
		Patna ...	2,399
		Soppur ...	906
		Rairakhol ...	883
		Bamra ...	1,988
		Total ...	14,557
	Total British Territory...		84,445
	Total Native States ...		28,834
	Grand Total Central Provinces..		**113,279**

No. 2—contd.

Presidency or Province.	Divisions.	Native States.	Area in Square Miles.
Central India. [Native States.]	Bundelkhand.	Ajaigarh ...	802
		Alipura ...	69
		Bankapahari...	5
		Baoni ...	117
		Baraunda ...	238
		Bhaisaunda ...	150
		Kamta Rajaula	
		Pahra ...	
		Paldeo ...	
		Taraon ...	
		Belhari ...	1,178
		Chhatarphur...	
		Beri ...	28
		Bihat ...	13
		Bijawar ...	974
		Bijna ...	2,015
		Dhurwai ...	
		Tori Fatehpur.	
		Urchha ...	
		Charkhari ...	788
		Datia ...	837
		Garauli ...	25
		Gawrihar ...	78
		Jaso ...	75
		Jigni ...	21
		Logasi ...	47
		Panna ...	2,568
		Rebai ...	8
		Samthar ...	174
		Sarila ...	86
		Total...	10,241
	Bhaghelkhand.	Koti ...	11,324
		Maihar ...	
		Nagode ...	
		Rewah ...	
		Sohawal ...	
	Gwalior ...	Bagli ...	29,067
		Bhadora ...	
		Dharnaoda ...	
		Gurha ...	
		Gwalior ...	
		Khaniadhana...	
		Khiaoda ...	
		Maksudangarh.	
		Paron ...	
		Raghogarh ...	
		Sirsi ...	
		Sitarnau ...	
		Umri ...	

Presidency or Province.	Divisions.	Native States.	Area in Square Miles.
Central India. [Native States.]		Alirajpur ...	837
		Basoda ...	22
		Bharudpara ...	1,740
		Chiktiabar ...	
		Dhar ...	
		Kothedi ...	
		Bhopal ...	6,874
		Burwani ...	1,362
		Dewas, S. B. ...	289
		Dewas, I. B. ..	
		Guar. Bhumiats	133
		Jaunia ...	
		Rajgarh ...	
		Indore ...	8,402
		Garhi ...	
		Jaora ...	581
		Piplauda ...	
	Nimar and Malwa.	PanthPiplauda	
		Jhabua & Bori.	1,219
		Rutanmal ...	
		Jobat ...	132
		Kathiwara ...	68
		Kilchipur ...	273
		Kurwai ...	139
		Manpur ...	49
		Muhammadgarh...	27
		Muthwar ...	140
		Narsinghgarh...	623
		Pathari ...	26
		Pindarajagir...	14
		Rajgarh ...	655
		Sutalia ...	
		Ratlam ...	729
		Sailana ...	113
		Total ...	24,447
		Grand Total Central India..	**75,079**

No. 2—contd.

Presidency or Province.	Divisions.	Districts.	Area in Square Miles.
Rajputana.	Rajputana...	Banswarra ...	1,500
		Bhurtpore ...	1,974
		Bickaneer ...	22,340
		Boondee ...	2,300
		Dholpur ...	1,200
		Dungarpur ...	1,000
		Jeypore ...	14,465
		Jeysalmeer ...	16,447
		Jhallawar ...	2,694
		Jodhpore ...	37,000
		Kerowlee ...	1,208
		Kishenghur ...	724
		Kotah ...	3,797
		Lawa ...	18
		Oodeypore ...	12,670
		Partabgarh ...	1,460
		Shapoora ...	400
		Sirohee ...	3,020
		Tonk ...	2,509
		Ulwur ...	3,024
	Grand Total Rajputana..		**1,29,750**
Ajmere.	Ajmere ...	Ajmere ...	2,070
		Mhairwara ..	641
	Grand Total Ajmere ..		**2,711**
N.-W. Provinces.	Meerut ...	Dehra ...	1,193
		Saharanpur ...	2,221
		Muzuffernagar	1,656
		Meerut ...	2 379
		Bolandshahr...	1,915
		Aligarh ...	1,955
		Total ...	11,319
	Agra ...	Muttra ...	1,453
		Agra ...	1,850
		Farukhabad ...	1,718
		Mainpuri ...	1,697
		Etawah ...	1,694
		Etah ...	1,739
		Total ...	10,151
	Rohilkund...	Bijnor ...	1,868
		Moradabad ...	2,284
		Budaun ...	2,002
		Bareilly ...	1,614
		Shahjahanpur	1,746
		Pilibhit ...	1,371
		Total ...	10,885
	Allahabad ...	Cawnpore ...	2,370
		Fatehpur ...	1,639
		Banda ...	3.061
		Hamirpur ...	2,289
		Allahabad ...	2,833
		Jaunpur ...	1,554
		Total ...	13,746

Presidency or Province.	Divisions.	Districts.	Area in Square Miles.
N.-W. Provinces.	Benares ...	Azamgarh ...	2,147
		Mirzapur ...	5,224
		Benares ...	998
		Ghazipur ...	1,473
		Gorakhpur ...	4,598
		Basti ...	2,753
		Ballia ...	1,145
		Total...	18,338
	Jhansi ...	Jhansi ...	1,567
		Jalaun ...	1,469
		Lalitpur ...	1,947
		Total...	4,982
	Kumaun ...	Almora ...	6,000
		Garhwal ...	5,500
		Tarai ...	938
		Total...	12,438
	Lucknow ...	Lucknow ...	989
		Unao ...	1,747
		Bara Banki ...	1,768
		Total...	4,504
	Sitapur ...	Sitapur ...	2,251
		Hardoi ...	2,312
		Kheri ...	2,992
		Total...	7,555
	Fyzabad ...	Fyzabad ...	1,689
		Bahraich ...	2,741
		Gonda ...	2,881
		Total...	7,311
	Rae Bareli..	Rae Bareli ...	1,738
		Sultanpur ...	1,707
		Partabgarh ...	1,436
		Total...	4,881
	NativeStates	Rampur ...	945
		Garwhal ...	4,180
		Total...	5,125
N.-W. P. and Oudh.	Total British Territory ...		106,111
	Total Native States...		5,125
	Grand Total N.-W. P. and Oudh..		**111,236**
Oudh.			

No. 2—contd.

Presidency or Province.	Divisions.	Districts.	Area in Square Miles.
Punjab.	Delhi ...	Delhi ...	1,276
		Gurgaon ...	1,938
		Karnal ...	2,396
		Total...	5,610
	Hissar ...	Hissar ...	3,540
		Rohtak ...	1,811
		Sirsa ...	3,004
		Total...	8,355
	Umballa ...	Umballa ...	2,570
		Ludhiana ...	1,375
		Simla ...	18
		Total...	3,963
	Jullundur....	Jullundur ...	1,322
		Hoshiarpur ...	2,180
		Kangra ...	9,069
		Total...	12,571
	Amritsur ...	Amritsur ...	1,574
		Gurdaspur ...	1,822
		Sialkot ...	1,958
		Total...	5,354
	Lahore ...	Lahore ...	3,648
		Gujranwala ...	2,587
		Ferozepore ...	2,752
		Total...	8,987
	Rawalpindi.	Rawalpindi ...	4,861
		Jhelum ...	3,910
		Gujrat ...	1,973
		Shahpur ...	4,691
		Total...	15,435
	Mooltan ...	Mooltan ...	5,880
		Jhang ...	5,702
		Montgomery..	5,574
		Muzaffargarh..	3,139
		Total...	20,295
	Derajet ...	Dera Ismail Khan.	9,296
		Dera Ghazi Khan.	4,517
		Bannu ...	3,868
		Total...	17,681
Punjab.	Peshawar ...	Peshawar ...	2,504
		Hazara ...	3,039
		Kohat ...	2,838
		Total...	8,381
	[Native States.]	Dujana ...	114
		Faridkot ...	612
		Jind ...	1,232
		Kalsia ...	178
		Kapurthala ...	620
		Loharu ...	285
		Maler Kotla ...	164
		Nabha ...	928
		Pataudi ...	48
		Patiala ...	5,887
		Total Eastern Plains.	10,068
	Total Western Plains	Bahawalpur ...	15,000
	Native Hill States ...	Baghal ...	124
		Baghat ...	36
		Balsan ...	51
		Bhaji ...	96
		Bashahr ...	3,320
		Bija ...	4
		Bilaspur ...	448
		Chamba ...	3,180
		Dadhi ...	1
		Dhami ...	26
		Darkoti ...	5
		Jubbal ...	288
		Keonthal ...	116
		Kumbarsain ...	90
		Kanhiar ...	8
		Kuthar ...	7
		Mailog ...	48
		Mandi ...	1,000
		Mangal ...	12
		Nahan ...	1,077
		Nalagarh ...	252
		Rawai ...	3
		Sangri ...	16
		Suket ...	474
		Tarhoch ...	67
		Total...	10,749
	Total British Territory ...		106,632
	Total Native States ...		35,817
	Grand Total Punjab ..		**142,449**

No. 2—contd.

Presidency or Province.	Divisions.	Districts.	Area in Square Miles.
Bengal.	Burdwan	Burdwan	2,697
		Bankoorah	2,621
		Beerbhoom	1,756
		Midnapore	5,082
		Hooghly	1,223
		Howrah	476
		Total	13,855
	Presidency	24-Pergunnahs	2,097
		Calcutta	8
		Suburbs	23
		Total	2,128
		Nuddea	3,404
		Jessore	2,276
		Khulna	2,077
		Moorshedabad	2,144
		Total	12,029
	Rajshahye	Dinagepore	4,118
		Rajshahye	2,361
		Rungpore	3,486
		Bogra	1,498
		Pubna	1,847
		Darjeeling	1,234
		Julpigoree	2,884
		Total	17,428
	Dacca	Dacca	2,797
		Furreedpore	2,267
		Backergunge	3,649
		Mymensingh	6,287
		Total	15,000
	Chittagong	Chittagong	2,567
		Noakholly	1,641
		Tipperah	2,491
		Hill Tracts	5,419
		Total	12,118
	Total Bengal Proper		70,430
Behar.	Patna	Patna	2,079
		Gya	4,712
		Shahabad	4,365
		Mozufferpore	3,003
		Durbhunga	3,335
		Sarun	2,622
		Chumparun	3,531
		Total	23,647
	Bhaugulpore	Monghyr	3,921
		Bhaugulpore	4,268
		Purneah	4,956
		Maldah	1,891
		Sonthal Pergunnahs	5,456
		Total	20,492
	Total Behar		44,139
	Orissa	Cuttack	3,517
		Pooree	2,473
		Balasore	2,066
		Angul	881
		Banki	116
		Total Orissa	9,053

Presidency or Province.	Divisions.	Districts.	Area in Square Miles.
[Native States.]	Chota Nagpur	Hazaribagh	7,021
		Lohardugga	12,045
		Singbhoom	3,753
		Manbhoom	4,147
		Total ChotaNagpur	26,966
	Cooch Behar		1,307
	Hill Tipperah		4,086
	Tributary States: Orissa		15,187
	Do. Chota Nagpore		16,054
	Total Native States		36,634
	Total British Territory		*150,588
	Grand Total Bengal		**187,222**
Hyderabad [Nizam's Dominions]	Western	Bidar	4,884
		Nander	4,122
		Naldrug	3,997
		Total	13,003
	Northern	Elgandal	7,480
		Indor	3,945
		Mehdak	1,779
		Sirpur Tandur	5,022
		Total	18,226
	North-West	Aurangabad	6,159
		Parbhaini	4,334
		Birh	4,487
		Total	14,980
	Eastern	Khamam	9,778
		Nagar Karnul	5,573
		Nalgonda	4,131
		Total	19,482
	Southern	Gulbarga	4,011
		Limsugur	3,371
		Raichor	2,338
		Shorapur	2,901
		Total	12,621
	Atrofa Balda with Bolarum		3,438
	Hyderabad City		3
	Suburbs with Secunderabad		54
	Grand Total Hyderabad		**81,807**

* Exclusive of the Sunderbuns 5,976 Square Miles.

No. 2—contd.

Presidency or Province.	Divisions.	Districts.	Area in Square Miles.
Mysore.	Nundydroog.	Bangalore ...	2,901
		Kolar ...	1,891
		Tumkur ...	3,420
	Ashtagram...	Mysore ...	2,980
		Hassan ...	1,879
	Nagar ...	Shimoga ...	3,797
		Kadur ...	2,984
		Chitaldroog ...	4,871
	Total Mysore..		**24,723**
Coorg ...	**Total Coorg..**		**1,583**
Madras.	Madras ...	Ganjam ...	8,311
		Vizagapatam...	17,380
		Godavari ...	7,345
		Kistna ...	8,471
		Nellore ...	8,739
		Cuddapah ...	8,745
		Kurnool ...	7,788
		Bellary ...	11,007
		Chingleput ...	2,842
		North Arcot ...	7,256
		South Arcot ...	4,873
		Tanjore ...	3,654
		Trichinopoly...	3,561
		Madura ...	8,401
		Tinnevelly ...	5,381
		Salem ...	7,653
		Coimbatore ...	7,842
		Nilgiris ...	957
		Malabar ...	5,765
		South Canara..	3,902
		Madras (City).	27
		Total ...	139,900
	[N. States.] (Kurnool) (Bellary).	Travancore ...	6,730
		Cochin ...	1,361
		Pudukota ...	1,101
		Banganapalle..	306
		Simdur ...	140
	Total Native States...		9,638
	Total British Territory...		139,900
	Grand Total Madras.		**149,538**

Presidency or Province.	Divisions.	Districts.	Area in Square Miles.
Assam.	Surma Valley.	Cachar Plains.	1,285
		Sylhet ...	5,440
		Total ...	6,725
	Brahmaputra Valley.	Garo Hills Plains ...	473
		Goalpara ...	3,897
		Kamkup ...	3,631
		Darrang ...	3,418
		Nowgong ...	3,417
		Sibsagar ...	2,855
		Lakhimpur	3,723
		Total ...	21,414
	Total Plains Districts ...		28,139
	Cachar Hill Tracts... ...		2,465
	Garo Hill Tracts		3,180
	Khasi and Jaintia Hills		6,157
	Naga Hills (estimated) ...		6,400
	Total Hill Districts...		18,202
	Grand Total Assam..		**46,341**
Lower Burmah.	Arakan ...	Akyab ...	5,535
		Northern Arakan ...	1,015
		Kyouk Pyoo	4,309
		Sandoway ...	3,667
		Total ...	14,526
	Pegu ...	Rangoon Town ...	22
		Hanthawaddy ...	4,236
		Tharrawaddy ...	2,014
		Prome ...	2,887
		Total...	9,159
	Irrawaddy...	Thonegwa ...	5,413
		Bassein ...	7,047
		Henzada ...	1,948
		Thayetmyo..	2,397
		Total...	16,805
	Tenasserim..	Moulmein Town ...	14
		Amherst ...	15,189
		Tavoy ...	7,150
		Mergui ...	7,810
		Shwaygyin	5,567
		Toungoo ...	6,354
		Salween ...	4,646
		Total...	46,730
	Grand Total Lower Burmah		**87,220**
Aden ...	... ...		70
Andaman Islands,	Port Blair		880
	Grand Total India ..		**1,378,044**

AREA.

The *normal* area was recently estimated by the Government of India at 14,051,800 acres, but with later returns before us we put the estimate at 14,222,000 acres as detailed below :—

	Acres.		Acres.
Bombay	5,350,000	Nizam's Territory	970,000
Sind	75,000	Bengal	162,000
Berar	1,960,000	Madras	1,675,000
Central Provinces	610,000	Mysore and Coorg	42,000
Central India	290,000	Assam	40,000
Rajputana (and Ajmere)	550,000	Burmah (Lower)	8,000
North-West Provinces	1,550,000		
Oudh	80.000	Total Acres	14,222,000
Punjab	860,000		

Table No. 3 gives the ascertained area in each year, in most of the Provinces, since 1874-75. Previous to 1885-86 no returns were available for the Native States of Rajputana and Central India, while the present is the first and only estimate made by the authorities for Bengal.

Bombay.

The progress of Cotton cultivation in each district of this Presidency, including Sind, since 1868-69, is shown in Table No. 4.

Sind.—In the past decade Sind shows a steady increase on the previous one, the average annual area having risen from 57,900 acres to 65,600, and in the last five years to 73,000 acres. Hyderabad, with an average area of 53,000 acres, is the principal producing district.

In comparing the progress in the other districts of the Bombay Presidency, it is more convenient to group them under the head of the various *growths* of Cotton.

"*Dholleras*" are principally produced in the Native States of Kathiawar, and its cultivation shows a very marked expansion. Excluding the State of Baroda, a portion of which till 1885-86 was not included under this head, the acreage has risen from a mean of 1,408,000 acres to 1,996,000 acres. In the Baroda State, in the last four seasons, it has averaged 168,000 acres, making a total average area devoted to this growth of 2,547,000 acres, of which 1,760,000 acres are in Kathiawar, 356,000 in Ahmedabad, 179,000 in Cutch, 168,000, as just stated, in Baroda (districts of Kadi and Amreli), 70,000 in Palanpur, and the remaining 14,000 acres in Kaira, Mahi Kantha and Cambay.

"*Broach.*"—Including the entire Baroda State, the area taken up by this growth in the decade ending 1878-79 averaged annually 452,500 acres. In the last ten years, including only that portion which it is now ascertained is usually taken up with Broach Cotton, the area increased to 584,800 acres and in the last four to 597,000 acres. The principal districts which assist to make up the latter total are—Broach 241,000 acres, Baroda (Nowsari and Baroda district) 227,000, Surat 95,000, Rewa Kantha 29,000, and Panch Mahal and the remaining Surat States 5,000 acres.

"*Oomras.*"—Liverpool now divides this cotton into three separate growths, Oomras, Khandesh and Bilatee, but in the Bombay Market the names of the principal producing districts, or provinces, are the leading heads

under which statistics are compiled. "*Khandesh*" is produced in the district of that name, and to a small extent also is Nassik. In the first ten years of the last twenty the cultivation averaged 580,200 acres; in the last ten 865,500 acres, but in the last five of the present decade rose to 887,400 acres. "*Barsee*" and "*Nuggar*" descriptions are named after the towns of Barsee and Ahmednuggar through which the bulk of the Cotton passes, but the greater portion of this staple is actually grown in Nizam's Territory. In the ten years ending 1878-79 the average annual area in the Bombay Districts was 119,900 acres; in the next five it rose to 124,800 acres, but in the last five dropped to 63,600 acres, other crops taking the place of Cotton. Ahmednuggar is by far the largest producing district, Sholapore, Satara and the adjoining Native States growing very little.

"*Dharwars.*"—Owing to changes in the way different Government Departments made up the acreage returns for a short period, we have been unable to ascertain the area taken up with this Cotton in the three years, 1883-84 to 1885-86, but the figures for the preceding fourteen and subsequent three years are available. In the first five seasons the acreage averaged 371,800 per annum; in the next five 252,000, dropping in the following four to 181,200, but, excluding the three years' hiatus, rose in the last three years to an average of 277,300 acres. Dharwar, with an average area of 191,000, is the principal producing district. Bijapore with 25,000 acres follows, the remaining Southern Mahratta States devoting 61,000 acres to the culture of this growth.

"*Coomptas.*"—For the reasons stated above we exclude the total acreage returns for the three years named. In the first five of the last twenty years the annual average was 925,400 acres; in the next five 724,000 acres, rising again in the following four years to 1,118,250 acres, but dropping in the last three to 968,300 acres. Bijapore with 347,000 acres is the principal district, Dharwar with 287,000 being next, followed by Belgaum with 172,000 acres, Kolhapore with 31,000, and the remaining Southern Mahratta States with 132,000 acres.

In the entire Presidency, including Sind, the total area devoted to Cotton, though it has fluctuated a good deal, continues to increase. In the first five years of the last two decades the area averaged 3,948,000 acres, dropping in the next five to 3,563,000, rising again to 4,718,800 acres, and in the last five to 5,250,000 acres. In the last three the mean is 5,481,000, or deducting Sind, 5,409,000 acres. We therefore place the normal area at 5,350,000 acres, and of Sind at 75,000 acres—total 5,425,000 acres.

Berars.

The best description of "*Oomras*" is the produce of this province, known generally as the Berars, but officially as the "Hyderabad Assigned Districts." Since the repeal of the Cotton Frauds Act the quality of the staple produced in this province has undoubtedly fallen off greatly, but, according to those most interested, the ryots or growers, the indigenous short stapled variety is hardier and more easily cultivated, while the outturn is larger. During the past fourteen years the area taken up with Cotton has averaged 2,035,000 acres, but in the last five 1,957,200 acres. In 1878-79 as many as 2,207,889 acres were planted, but two years later a minimum of 1,755,946 acres was recorded. All the districts produce Cotton, Amraoti (better known as Oomrawuttee) in the last five years averaging 480,000 acres, Akola 479,000, Buldana 300,000, Wun 234,000, Basein 233,000, and Ellichpur 231,000 acres.

Central Provinces.

In this province the growth known as "*Hinghunghat*" is produced, named after the town of Hinghunghat. In the first four of the last fourteen years the cultivation averaged 800,200 acres, in the next five 688,400 acres, and in the last five it has dropped to 608,800 acres, wheat and linseed having paid the cultivators better than Cotton. Of the four divisions into which this province is divided for administrative purposes, the Nagpore one produces most Cotton, more than half of the total area under Cotton in the province being in this division. Nearly a third, or say, 220,000 acres, is in the Wurdha district, while Nagpore (district) has an average over 120,000 acres, and Chanda about 20,000 acres. In the Nerbudda division the districts of Nimar and Chhindwara, each have about 45,000 acres under Cotton, and Narsinghpur about 30,000 acres. Raipur, Bilaspur and Sambulpore, in the Chattisgarh division, together devote about 55,000 acres annually, the remaining 75,000 acres being cultivated in Saugor, Jubbulpore and Damoh, of the Jubbulpore division.

Central India.

Principally "*Bengals*," and to a smaller extent also "*Oomras*," are produced in the various Native States comprised under the head of the Central India Agency. It is only within the past four years that attempts have been made to estimate the area under cultivation in these States, and in these four years the average has been about 290,000 acres. Gwalior is said to have usually about 120,000 acres, Indore 51,000, Bundelkhund 50,000, Bhopal 25,000, Bhopawar 25,000, Western Malwa 14,000, and Baghalkhund 5,000 acres on which Cotton is produced.

Rajputana.

The returns from this province, a collection of Native States, is of equally short duration to those from Central India. The growth cultivated is "*Bengals*." Jeypore is the largest producing State, the area taken up by Cotton being about 140,000 acres. Meywar is next with about 120,000, followed by Ulwar with 60,000, Bhurtpore 65,000, Marwar 25,000, Kotah 16,000, Dholepore 30,000, Bundi 20,000, Tonk 15,000, Kishengarh 9,000, and Jhallawar 10,000 acres, making a total, with the minor States, of about 550,000 acres.

Bengal.

Though this province gives its name to the most extensively grown of all Indian Cottons, the actual cultivation within its own borders is extremely small, being estimated at only 162,000 acres. The principal producing districts are Midnapore, Durbhunga, Sarun, Cuttack, Lohardugga, Manbhoom and the Chittagong Hill Tracts.

North-West Provinces and Oudh.

These provinces are united under one administration, but we give the returns separately. In both, "*Bengals*" is the description of Cotton grown. Though the last two seasons show a considerable falling off in the acreage, the decrease is entirely due to unseasonable weather, for the cultivation in these provinces is increasing. In the *N.-W. Provinces*, in the last fifteen years, the average area under Cotton in the first five was 1,072,600 acres; in the next five 1,479,800 acres, and in the last five, even with two poor years, 1,536,000 acres. In 1886-87 no less than 1,768,000 acres were cultivated with Cotton. In *Oudh*, during the same period, the first quinquennial period averaged

34,800 acres, the second 47,800 acres, and the last 79,600 acres. The N.-W. Provinces are divided into six divisions, and Oudh into four. In the former, taking 1,550,000 acres as the normal area under Cotton, the average proportion in each division is about as follows: Agra 510,000 acres, Allahabad 400,000, Meerut 360,000, Rohilkund 180,000, Jhansi 80,000 and Benares 20,000 acres. Of the Oudh divisions, the Lucknow one's share is about 43,000 acres and Sitapur's 33,000 acres, leaving but 4,000 acres for Fyzabad and Rae Bareli.

Punjab.

The "Land of the Five Rivers," as its name implies, also produces "*Bengals.*" As in the case of the two preceding provinces unfavourable weather caused a considerable falling off in the area under Cotton in the last two seasons, but the cultivation is undoubtedly increasing as the returns for the last fifteen years show. In the first five the acreage averaged 715,800, in the next five 837,600 acres and in the last five 859,800 acres. The Punjab is divided into ten divisions, each of three or four districts. Taking 860,000 acres to represent the normal area, the average Cotton area of each division is about as follows:—

	Acres.		Acres.		Acres.
Delhi	128,000	Umritsur	79,000	Derajat	73,000
Hissar.....	62,000	Lahore	92,000	Peshawur	36,000
Umballa.....	68,000	Rawalpindi	136,000	Native States...	No returns.
Jullunder.....	57,000	Mooltan	129,000		

Nizam's Territory, Hyderabad.

In the northern division of the dominions of H. H. the Nizam, the description of Cotton known as "*Barsee*" and "*Nugger*" "*Oomras*" is produced, and, as previously stated, owing to its reaching the railway on Bombay soil, it is naturally credited in the rail returns to the latter Presidency. A good deal also finds its way to the Berars. In the greater portion, especially to the south, the staple known as "*Westerns*" is grown, and the bulk of this reaches the Madras Railway through Madras districts. Like all Native States, it takes a long time to get information out of the authorities, and at the time of writing the latest returns of area are two years behind all the leading provinces under British administration, and notably the Berars, where trade returns are collected and issued to the public with a despatch unequalled in any other province. In trying to form an estimate of the normal area under cotton, we have to take the returns of the twelve years preceding 1887-88. In the first five they averaged 730,000 acres, in the next five 922,800, and the three last 973,600 acres. Details of the principal districts of cultivation we have so far failed to secure.

Madras.

Acreage returns for this Presidency we have secured for a longer period than any of the other provinces, and we annex them in quinquennial periods:—

	Acres.		Acres.
1852-53 to 1856-57	899,660	1872-73 to 1875-76	1,607,110
1857-58 „ 1861-62	1,026,285	1876-77 [Famine year]	926,115
1862-63 „ 1866-67	1,507,155	1877-78 to 1881-82	1,385,886
1867-68 „ 1871-72	1,543,817	1882-83 „ 1886-87	1,676,996

These figures show pretty clearly that the cultivation of cotton is increasing and that it has rapidly recovered since the serious check it received by the famine. As far back as 1863-64 the area exceeded 1,766,300 acres, and in the following year it was but little less, *viz.*, 1,747,501. In 1869-70 and 1870-71,

the figures were 1,758,000 and 1,729,000 acres respectively, and thrice since then have these returns been approached :—

	Acres.		Acres.		Acres.
1882-83.....	1,708,582	1883-84.....	1,770,290	1886-87.....	1,733,752.

Four different descriptions of Cotton are cultivated in this Presidency, "*Westerns*," "*Coconadas*," "*Salem*" or "*Coimbatores*," and "*Tinnevellys*." For administrative purposes Madras is divided into two and twenty districts, all of which, with the exception of six, grow Cotton. Commencing from the north, we place the districts, as far as possible, under the head of growths. Ganjam and Vizagapatam between them devote, as a rule, about 23,000 acres to Cotton, all of which is locally consumed, and we therefore eliminate these figures from the total under each growth.

"*Coconadas*."—This red Cotton is principally produced in the Kistna district, where, on an average, about 200,000 acres are taken up, Nellore with 25,000, and Godaveri with 20,000 acres, bringing the total under this growth to 245,000 acres. We show elsewhere that the bulk of this Cotton goes to Guntoor for pressing, and is despatched from thence principally to Coconada for export and to a smaller extent by the Buckingham, or East Coast Canal to Madras. Some of it too finds it way through Cuddapah to Madras by rail.

"*Westerns*."—We place the average acreage under this growth in the Madras Presidency at 665,000 acres. Bellary with 250,000 acres is the principal district, followed by Kurnool with 205,000, Anantapore with 110,000, and Cuddapah with about 100,000 acres. Fully seven-eighths of this growth goes to Madras port, and the rest is despatched to Bombay port.

"*Salems*" or "*Coimbatores*."—This staple originally grown from Bourbon seed, was at one time cultivated to some extent in Coimbatore and Salem and found a ready sale in China, but of late years the seed is said to have deteriorated, and the variety has, so far as the export trade is concerned, virtually ceased to exist.

"*Tinnevellys*" are entirely shipped from Tuticorin, and nearly the whole is despatched in the coasting steamers to Bombay for transhipment to ports in Europe. The annual area on which this description is grown in the Madras Presidency, we estimate at 742,000 acres, distributed over the following districts :—Tinnevelly 320,000 acres, Coimbatore 250,000, Madura 120,000, Trichinopoly 26,000, Salem 17,000, South Arcot 6,000, and Tanjore 3,000 acres.

Mysore and Coorg.

These provinces produce little Cotton, and what is grown is principally consumed locally. With the opening of the Southern Mahratta Railway through from Poona to Bangalore and thence to Madras the cultivation will probably be increased. In the first five of the last twelve years, the acreage averaged 19,800, in the next five 23,600, and in the last two 25,000 acres.

Assam.

On an average area of about 40,000 acres this province produces excellent Cotton, while the outturn per acre of cleaned Cotton is put as high as 150 lbs. In the five years ending 1886-87, the total river-borne trade between Assam and Bengal was 89,958 cwts., or an annual average of 17,992 cwts. In the last two years of that period the average was 24,427 cwts., equal to 6,979 bales of 3½ cwts., or 6,839 bales of 400 lbs. each, as usually shipped from Calcutta.

No. 3.

Comparative Statement showing the progress of Cotton Cultivation in India in Acres.

[From Official Returns.]

ACRES.

Provinces.	1890-91.	1889-90.	1888-89.	1887-88.	1886-87.	1885-86.	1884-85.	1883-84.	1882-83.	1881-82.	1880-81.	1879-80.	1878-79.	1877-78.	1876-77.	1875-76.	1874-75.
Bombay and Sind ..	..	..	5,267,860	5,615,526	5,558,756	4,953,640	4,853,000	5,131,844	5,698,862	4,811,542	4,193,154	3,757,813	2,982,134	2,863,306	3,223,237	4,516,587	4,229,596
Berars	..	..	1,994,767	1,919,894	2,068,045	1,846,470	1,959,402	2,026,923	2,142,444	2,189,688	1,755,946	2,101,273	2,207,889	2,078,272	2,024,806	2,103,424	1,956,641
Central Provinces ..	..	..	596,231	591,920	657,021	595,962	579,604	680,390	612,687	666,031	682,962	756,136	724,306	837,083	802,437	756,°28	805,296
Central India ..	..	..	..	290,000	286,242	295,382	..	..	Returns	previous	to 1885-86	not available.		..	..	..	..
Ajmere	..	..	..	17,770	..	..	..	..	..	..	Ditto	1887-88.	..	..	..	..	..
Rajputana	..	..	455,256	449,513	654,771	536,444	..	..	..	..	Ditto	1885-86.	..	..	..	..	..
Bengal	..	..	..	162,000	162,000	..	..	..	No	Estimate	prior to	1887-88.	..	..	..	..	..
N.-W. Provinces ..	..	..	1,305,475	1,445,627	1,789,735	1,587,346	1,573,695	1,635,497	1,641,856	1,594,468	1,378,228	1,240,434	1,316,199	718,484	1,185,522	1,056,173	1,086,691
Oudh	..	..	58,941	80,427	95,752	72,030	94,115	74,947	50,059	42,896	40,814	29,687	42,206	17,151	53,016	22,830	39,274
Punjab	..	..	756,300	644,500	1,089,300	1,035,614	792,996	802,534	898,818	918,265	761,729	806,380	803,480	679,836	686,716	698,393	711,312
Nizam's Dominions..	..	..	..	*1,000,000	1,056,937	953,170	910,610	1,149,730	1,059,552	1,009,766	811,436	583,321	758,700	622,959	527,127	804,496	941,388
Madras	..	..	1,464,352	1,399,815	1,733,752	1,605,206	1,567,148	1,770,290	1,708,582	1,655,660	1,508,238	1,351,473	1,248,322	1,165,736	926,115	1,645,389	1,577,363
Mysore and Coorg..	..	..	..	42,639	42,946	29,128	21,825	31,228	24,559	20,750	20,893	19,873	21,088	14,411	4,411	21,864	36,845
Assam	..	..	..	1,174	39,669	42,131	38,815	38,699	* 36,000	*36,000	36,298	44,018	40,015	39,627	38,342	35,352	37,730
Burmah (Lower) ..	..	..	..	7,765	8,254	9,142	9,346	10,454	13,760	15,130	14,932	17,594	19,496	18,765	17,020	13,645	17, 11
Total Acres...	..	..	..	13,232,424	15,243,080	13,561,665	12,400,056	13,352,536	13,887,179	12,960,196	11,204,630	10,708,002	10,163,835	9,055,630	9,488,749	11,674,931	11,439,4 7

* Estimated.

No.

Progress of Cotton Cultivation

In thousands of Acres

Description of Cotton.	Districts.	1890-91.	1889-90.	1888-89.	1887-88.	1886-87.	1885-86.	1884-85.	1883-84.	1882-83.
Sind ..	Upper Sind Frontier ..	....	....	3	2	2	3	4	3	4
	Shikapur	....	....	11	7	7	8	10	8	12
	*Khairpur	....	....	3	3	3	3	3	....	....
	Hyderabad	....	....	51	46	58	58	53	38	48
	Kurrachee	....	....	2	1	1	1	1	1	1
	Thar and Pakar	....	....	6	5	4	2	4	3	3
	Total ..	....	....	76	64	75	75	75	53	68
Dhollera ..	*Cutch	....	....	128	207	187	192	188	?	263
	*Kathiawar	....	....	1,780	1,794	1,680	1,787	1,712	?	1,574
	Ahmedabad	....	....	327	425	357	317	233	382	257
	*Palanpur	....	....	55	88	67	....	....	....	116
	*Mahi Kantha	....	....	5	4	5	87	68	?	2
	*Cambay	....	....	1	1	1	....	....	....	4
	Kaira	....	....	9	10	10	10	11	11	8
	Panch Mahals	....	....	....	....	....	....	....	....	....
	*Kadi & Amreli [Baroda]..	....	....	164	147	175	186	† Included with Now		
	Total ..	....	....	2,469	2,657	2,482	2,579	2,212	2,063	2,224
Broach ..	*Nowsari & Baroda[Baroda]	....	....	214	219	237	233	†349	?	305
	Broach	....	....	259	247	207	244	227	272	205
	Panch Mahals	....	....	1	1	1	....	1	....	....
	*Rewa Kantha	....	....	31	28	29	40	?	?	16
	Surat States	....	....	4	5	4				
	Surat	....	....	90	98	98	93	94	101	92
	Total ..	....	....	599	603	576	610	671	640	618
Khandeish..	Khandeish	....	....	921	919	942	691	878	1,012	959
	Nasik	....	....	8	23	20	2	33	87	37
	Total ..	....	....	929	942	962	693	911	1,099	996
Barsee and Nugger ..	Ahmednagar..	....	....	24	31	57	17	12	77	100
	Poona	....	....	1	1	10	....	1	12	40
	Sholapur	....	....	8	8	28	7	2	41	67
	*Akalkot & Satara Jaghirs..	....	....	5	15	13	5	3	?	2
	Satara	....	....	7	13	13	17	20	?	43
	Total ..	....	....	45	68	121	46	38	130	252
Coomta ..	*Kolhapur	....	....	26	32	34	30	39	?	215
	Other S. Mahratta States..	....	....	123	128	145	149	124	?	?
	Belgaum	....	....	143	187	187	143	120	?	230
	Bijapur (*a*)	....	....	321	337	383	166	280	516	531
	Dharwar	....	....	265	301	293	463	383	203	375
	Total ..	....	....	878	985	1,042	951	946	1,147	1,351
Dharwar ..	*Kolhapur	....	....	....	....	....				60
	Other S. Mahratta States..	....	....	49	66	67				....
	Belgaum	....	....	....	1	1	Included with Coomtas			1
	Bijapur (*a*)	....	....	16	24	34				7
	Dharwar	....	....	207	168	199				145
	Total ..	....	....	272	259	301	....	....	....	207
	Grand Total..	....	....	(*b*)5,268	5,616	5,559	4,954	4,853	†5,132	5,699

* Native States.

(*b*) Subject to correction.

(*a*) The name of this district previous to March 1st, 1885

4.

in the Bombay Presidency.

(000's omitted.)

1881-82.	1880-81.	1879-80.	1878-79.	1877-78.	1876-77.	1875-76.	1874-75.	1873-74.	1872-73.	1871-72.	1870-71.	1869-70.	1868-69
5	3	4	4	2	1	1	1	1	1	1	1	2	2
12	9	9	13	14	14	8	11	14	12	12	14	16	17
....	....	....	....	....	....	....	....	....	....	....	....	....	....
46	38	30	39	40	39	38	37	31	31	32	37	32	32
1	1	1	2	2	2	1	2	1	2	1	2	4	3
7	3	1	6	7	10	6	10	6	4	5	5	2	3
71	54	45	64	65	66	54	61	53	50	51	59	56	57
293	148	88	91	135	198	201	190	269	224	148	187	213	142
1,533	1,258	1,053	711	472	1,212	1,256	1,215	1,198	1,050	911	597	1,038	881
161	209	183	71	157	215	202	239	219	217	231	323	223	141
34	41	70	8	27	51	39	83	47	24	21	8	37	39
3	4	2	1	2	3	4	4	3	4	3	3	4	2
2	2	?	....	....	....	....	....	....	....	....	....	....	....
5	5	2	4	6	4	5	5	13	13	15	16	13	12
....	....	....	....	....	....	....	....	....	....	....	....	....	....
sari and	Baroda	(Baroda).											
2,031	1,667	1,398	886	799	1,683	1,707	1,736	1,749	1,532	1,329	1,134	1,528	1,217
237	255	230	161	199	253	247	182	197	179	177	140	106	170
167	215	210	107	181	193	202	234	231	220	217	201	224	153
....	....	....	....	....	....	....	....	....	....	....	....	....	....
10	9	9	7	9	9	9	9	8	8	8	8	7	7
68	67	54	27	63	63	64	62	60	56	68	73	56	46
482	546	503	302	452	518	522	487	496	463	470	422	393	376
822	612	653	624	498	576	682	589	634	537	429	616	541	427
16	9	11	7	6	11	10	14	10	7	2	9	....	2
838	621	664	631	504	587	692	603	644	544	431	625	541	429
42	16	27	27	20	18	44	56	23	12	1	32	26	10
5	....	5	3	3	1	6	21	2	10	....	17	42	14
28	17	19	23	20	7	33	65	20	37	2	82	118	67
3	2	2	3	2	3	5	5	4	6	1	9	17	8
22	26	28	34	25	26	36	29	30	38	20	55	80	46
100	61	81	90	70	55	124	176	79	103	24	195	283	145
145	156	144	140	119	56	124	138	24	116	55	129	186	191
....	....	....	....	....	....	....	....	....	....	....	....	....	....
164	192	175	177	147	70	215	176	186	161	154	163	205	121
389	326	223	162	218	19	427	342	343	280	309	379	572	383
395	439	331	233	299	104	233	223	215	318	315	195	222	195
1,093	1,158	873	712	783	249	999	879	868	875	833	866	1,185	890
57	52	50	51	37	21	70	60	74	77	23	75	80	?
....	....	1	1	....	....	4	2	5	8	7	13	8	3
....	1	1	....	....	....	9	4	7	8	9	12	26	10
139	76	141	246	151	46	386	222	268	196	203	335	425	317
196	129	193	298	188	67	419	288	354	289	242	435	539	330
4,812	4,193	3,758	2,982	2,863	3,223	4,517	4,230	4,243	3,856	3,380	3,736	4,525	3,444

† Total from Government of India returns.

was Kaladgi [*Vide* Government Resolution, dated June 18th, 1884].

INDIA.

SEASONS OF EACH GROWTH, CULTIVATION, CLEANING, PRESSING, OUTTURN AND AVERAGE CROPS OF EACH DESCRIPTION.

SEASONS.

Cotton is sown, throughout the greater portion of India, in June, during the first break after the setting in of the rains of the South-West monsoon. In the Madras Presidency, however, the crops are mainly dependent on the moisture brought by the North-East monsoon, though "Westerns" are sown at the end of August or early September, towards the end of the South-West monsoon, but "Tinnevellys" further South during the commencement of the North-East monsoon. As a rule the South-West monsoon strikes the Western Coast late in May, the rains reaching Bombay between the 5th and 15th of June, whereas the North-East monsoon rains usually begin at the end of September or early October off False Point, on the Coromandel Coast, reaching Madras about the middle of the latter month.

Crops grown in the South-West Monsoon.

Hinghunghat (Central Provinces).
Oomras (Bombay, Berar and Hyderabad).
Dholleras (Bombay).
Broach (Bombay).
Sind (Sind).
Coomptas (Bombay).
Dharwars (Bombay).
Bengals (Punjab, North-West Provinces, Oudh, Rajputana, Central India and Bengal).
Assam (Assam).

Crops grown in the North-East Monsoon.

Westerns (Madras and Hyderabad).
Coconadas (Madras).
Tinnevellys (Madras).
Coimbatores or Salems (Madras).

In Table No. 4 details are given of the districts where each of the above descriptions of Cotton are grown, the ports of export, the usual time when the land is prepared for the crops, the time of sowing and picking, and the average dates of arrivals of new Cotton at ports of shipment. An estimate is also given of an average crop of each growth and of the average annual receipts of each at Bombay, as well as the normal area under cultivation.

Growths.

The following are the principal descriptions produced in India, the commercial names by which they are known, the districts and provinces where grown and the ports from which they are shipped :—

Varieties.	Principal Districts.	Provinces.	Shipped at.
Hinghunghat ...	Wurdha, Nagpore, Nimar, &c.	Central Provinces	Bombay.
Broach	Broach, Baroda, Surat, &c.	Bombay... ...	Do.
Dhollera... Bhownugger	Kathiawar, Ahmedabad, Baroda, Cutch, &c. ...	Do.	Do.
Oomrawattee	Khandeish and Nasick	Do.	Do.
	Ahmednugger...	Do.	Do.
	Akola, Amraoti, Buldana, &c.	Berar	Do.
Coompta... ...	Bijapore, Dharwar, Belgaum, &c.	Bombay	Do.
Dharwar ...	Dharwar and Southern Mahratta States	Do.	Do.
Sind	Hyderabad, Shikarpore, &c.	Sind	Kurrachee.
Bengals ...	Delhi, Umballa, Umritsur, Mooltan, &c. ...	Punjab	Bombay, Calcutta and Kurrachee.
	Meerut, Agra, Allahabad, Rohilkund, &c. ...	N.-W. Provinces	
	Sitapore, Lucknow, &c.	Oudh	
	Jeypore, Meywar, Bhurtpore, Ulwar, &c. ...	Rajputana ...	Bombay.
	Gwalior, Indore, Bundelkund, &c.	Central India ...	Do.
Westerns	Sholapore	Bombay	Do.
	Bellary, Anantapore, Cuddapah	Madras	Bombay and Madras.
	... ...	Nizam's territory	Do.
Salems (or Coimbatore) ...	Coimbatore, Salem	Madras	Madras.
Coconada ...	Kistna, Nellore, Godavery	Do.	Coconada and Madras.
Tinnevelly ...	Tinnevelly, Madura, Trichinopoly	Do.	Tuticorin.

In table No. 5, full particulars are given of the seasons of each growth, and also an approximate estimate of the average crop of each description. The annexed table, which we have extracted from Mr. F. M. W. Schofield's "Note on Indian Cotton," published by the Department of Revenue and Agriculture, Government of India, in September 1888, shows the percentages of the imports in each quarter to the total imports into the Maritime Provinces, and similar percentages for the exports from each Province, gives a fair idea as to the periods when most of the produce leaves the Provinces and arrives at the seaport towns. These percentages are based on the three years' figures, 1885-86 to 1887-88 :—

Provinces.	Percentage of Imports in each quarter of the year.					Percentage of Exports (by Land) in each quarter of the year.				
	January to March.	April to June.	July to Sept.	October to Dec.	Year.	January to March.	April to June.	July to Sept.	Oct. to Dec.	Year.
	Per cent	Per cent	Per cent	Per cent	P. cent	Per cent	Per cent	Per cent	P. cent	P. cent
Punjab	.....	.....	.....	.....	...	52	27	3	18	100
N.-W. Provinces and Oudh.	.....	.....	.....	.....	...	47	14	4	35	"
Bengal	43	20	5	32	100	31	37	19	13	"
Assam	.....	.....	.....	.....	...	61	18	12	9	"
Central Provinces	... ..	.....	.....	.....	...	49	18	2	31	"
Berar	... ..	.....	.....	.....	...	60	25	1	14	"
Rajputana and Central India.	.....	.....	.....	.....	...	49	39	5	7	"
Sind	54	26	4	16	100	50	38	4	8	"
Bombay... ..	54	26	3	17	"	34	54	5	7	"
Madras	8	32	43	17	"	5	46	25	14	"

Cultivation.

This continues, as for centuries past, on the most primitive methods. The "fertilizer" of American invention is still unknown, and little, if any, European capital is invested in the cultivation.

Cost of Cultivation.

The cost varies greatly in the different Provinces, while the data available can scarcely be called reliable. In the Madras Presidency, where the outturn varies, we estimate from 37 to 54 lbs. per acre of *cleaned* Cotton, the cost of production is officially put at Rs. 6-12-0 (equivalent at exchange 1*s.* 4*d.* to 9*s.*) per acre; in the Berars (52 lbs.) at Rs. 13 (17*s.* 4*d.*) to Rs. 15 (20*s.*); in the Bombay Presidency (50 to 98 lbs.) at Rs. 7-8-0 (10*s.*); in the North-West Provinces and Oudh (80 lbs.) at Rs. 22-9-0 (30*s.* 1*d.*); and in the Punjab (96 lbs.) on land which is unirrigated, but manured, it is said to range from Rs. 6-10-9 (8*s.* 10¾*d.*) to Rs. 25-15-6 (34*s.* 7½*d.*) per acre.

Ginning.

The *Broach* and *Dharwar* growths are the only ones which are entirely cleaned by steam or hand saw-gins, but the quantity of *Oomras* and *Dholleras*, thus treated, is yearly increasing. All other descriptions of Indian Cotton are hand-cleaned by the native "Churka" or foot-roller.

Steam Pressing.

A good deal of Cotton is still sent by sea to Bombay Port in bundles or "dokrahs" of about 200 lbs. each for pressing, notably of Broach, Dholleras, Dharwars and Coomptas, but the greater portion of the crops is pressed up-country ready for shipment. From Bombay and Kurrachee Cotton is exported, as a rule, in bales of 3½ cwts. each, *i.e.*, 392 lbs. net. As the staple is bought and sold by the "Candy" of 784 lbs., two bales equal one candy. Formerly at all the other ports Cotton was shipped in bales of 300 lbs. net, but within the past fifteen years the trade has gradually in Calcutta and Madras changed the weight to 400 lbs. net. From Coconada shipments are made in bales of both 300 and 400 lbs., while at Tuticorin of the steam presses at work several have been converted so as to admit of pressing 500 lbs. bales, the others confining themselves to 400 lbs. bales. As nearly the whole of the Tinnevelly crop is sent to Bombay by coasting steamers for transhipment to European ports and as many bales burst their bands *en route* to Bombay and require to be repressed before re-shipment, it may be as well to point out to those interested that there is not in Bombay a single press capable of pressing a 500 lbs. bale. A Bombay bale is therefore just two per cent. smaller than a Calcutta and Madras one (and the latter is therefore 2·04 per cent. larger than the 392 lbs. bale) and 27·55 per cent. smaller than a 500 lbs. Tuticorin bale.

On an average, at Bombay, four bales (1,568 lbs. net) go to the shipping ton of forty cubic feet, but some of the more modern presses turn out bales, one hundred of which equal twenty-one tons measurement. Many of the older presses have now "finishers" attached which, after the bales have been pressed to a certain point in the larger presses, extract the Cotton and complete the process. At Kurrachee 40 cubic feet also constitutes a steamer

ton of freight, while at both ports 50 cubic feet is the sailing ship scale. On the other hand, both at Calcutta and the ports in the Madras Presidency—Coconada, Masulipatam, Madras, Pondicherry and Tuticorin—a ton of freight, both by sailers and steamers is on the single basis of 50 cubic feet. The bales are covered with jute "gunny" cloth of Calcutta manufacture and lashed with iron or steel bands, the latter of late years generally superseding the former owing to their lightness and greater strength. In the Government Railway returns—railway freight being payable on the *gross* weight of the bales,—*five* per cent. is deducted for tare, a correct percentage fifteen or twenty years ago, but obsolete now that iron and steel bands have taken the place of jute ones. The Bombay Chamber of Commerce in their daily returns of receipts from up-country deduct but *two* per cent., which is approximately correct.

Outturn.

According to a recent publication issued by the Department of Revenue and Agriculture, of the Government of India, the outturn of clean Cotton per acre is given as under in the various provinces and presidencies of this country. At the same time the writer states that the total estimate of 6¾ millions cwts. is evidently too low, and that 8½ million cwts. [952 million pounds or 2,428,000 bales of 3½ cwts.] "would be nearer the truth." The following table gives a mean of 54 lbs. per acre for all India, but on an average area of 14 million acres 8½ million cwts. equal 68 lbs. per acre:—

	lbs.		lbs.
Bombay	50½	Nizam's territory	34
Sind	152	Bengal	96
Berar	36	Madras	37
Central Provinces	42	Mysore and Coorg	66
Central India	51	Burmah	
Rajputana	132	Assam	149
North-West Provinces	63		
Oudh		Average ...	54
Punjab	94		

We are inclined to think that in several of the provinces the estimate is placed too low. Taking *Bombay* first we find that the area in *Khandeish* usually devoted to Cotton is 880,000 acres. The receipts at Bombay in the five years, 1884 to 1888, averaged 193,000 bales of 3½ cwts., and we estimate an average crop at 220,000 bales. On the despatches to Bombay only, the outturn is equal to 86 lbs. and on the total crop, including local and mill consumption, as much as 98 lbs. The *Barsee* and *Nuggar* returns we put aside, as the produce of these districts is but a twelfth of the despatches, eleven-twelfths coming into the district from the Nizam's dominions. The *Dhollera* crop takes up an average area of 2,547,000 acres. On the official basis of 50 lbs., this would give a yield of but 325,000 bales. In the five-years ending 1888 the receipts at Bombay of this growth averaged 402,000 bales, and taking 78,000 bales for local and mill consumption, we place an average crop at 480,000 bales. This indicates a yield of nearly 74 lbs. per acre. Of the *Broach* crop only a very small proportion is consumed in the districts, nearly the whole being sent to Bombay for export. This averaged in the last five years 133,000 bales, and adding 17,000 bales for local and mill consumption, we reach a crop of 150,000 bales. The average area of cultivation is returned as 597,000 acres, which gives a yield of 98½ lbs. per acre. 50 lbs. per acre for the *Southern Mahratta* country appears about correct, the 968,000 acres producing *Coomptas* yielding on this basis about 123,000 bales against our estimate

of 120,000 bales, while the 277,000 acres devoted, on an average, to saw-ginned *Dharwars* gives just 85,000 bales, which we estimate an average crop at. These returns give an average yield for the Bombay Presidency of 79·2 lbs. per acre.

The average area in *Sind* is 75,000 acres, and the reported yield 152 lbs. per acre, an extraordinary high figure. This gives a total production of 29,000 bales. In the two years, 1885-86 and 1886-87, the imports into Kurrachee, from the province only, averaged annually 135,000 cwts. or 38,572 bales, exclusive of the quantity imported by river into Sind and thence railed into Kurrachee. In these years, therefore, it would appear as if the yield was no less than 202 lbs. per acre! Whether irrigation, or imports of Cotton from Beloochistan, assist to such a remarkable result we are not in a position to determine. In placing an average crop at 30,000 bales, it is evident we are well within the mark, and we leave the yield at 152 lbs. per acre.

In the *Central Provinces* the outturn is given as only 42 lbs. per acre. The area in recent years, as shown elsewhere, we estimate at 610,000 acres and 42 lbs. on this gives just over 65,000 bales.

In the *Berars*, on the other hand, the estimate of 36 lbs. per acre is clearly too small. The average area is 1,960,000 acres, which, at 36 lbs., gives a total production of only 180,000 bales. In the five years ending 1888 the despatches to Bombay averaged 246,000 bales, and, if we leave but 14,000 bales for mill and local consumption, the total is raised to 260,000 bales, which gives a yield per acre of 52 lbs. In the season just concluded (30th June 1889) the quantity despatched from the Railway stations in the Berars to Bombay Port was 410,450 bales, to the N.-W. Provinces 11,838 bales, and to the Central Provinces, Khandeish and Guzerat 1,453 bales, a total export in the twelve months of 423,741 bales of 3½ cwt. The two mills in the Province consumed 5,536 bales, and if we add but 5,000 bales more for local consumption, the total is raised to over 434,000 bales. Now the area off which this quantity was taken is given by the authorities as 1,995,000 acres; consequently, in this unprecedentedly favourable season, the yield must have been over 85 lbs. per acre.

Rajputana and *Central India*, though treated separately in the returns of area and outturn, are amalgamated as one district in the Railway statistics and in many ways dovetailed as the two great collections of Native States are, it is more convenient to treat them together. The former contains, on an average, 550,000 acres under Cotton, the latter 290,000 acres, total 840,000 acres. According to the authorities, the yield in Rajputana is usually 132 lbs. per acre, in Central India but 51 lbs., which gives very nearly 223,000 bales. The local consumption—there is but one mill at Indore in Central India owned by H. H. Maharajah Holkar, consuming about 10,000 bales annually—is stated to be 41 per cent. of the total production, equal (on 223,000 bales) to 91,400 bales, leaving 131,600 bales available for export. In the three years, 1886 to 1888, the average annual exports by rail were 152,000 bales. Our estimate of a total yield of 240,000 bales for Rajputana and Central India is, if anything, apparently under the mark, and yet, if correct, the yield is on an average just 112 lbs. per acre.

The *Punjab* returns have been evidently more carefully compiled, and our examination of them agrees very nearly with the official estimate of outturn of 94 lbs. The average annual area is 860,000 acres, and 94 lbs. on this give

over 206,000 bales against our estimate of 210,000 bales, or 96 lbs. per acre. In a monograph on the Cotton Trade of this Province, issued in 1884 by the local authorities, the local consumption was stated to be 84 per cent. of the production, and if the figures just given are correct, the average annual exports by rail in the three years, 1886 to 1888, of 63,000 bales to Bombay, Kurrachee and Calcutta ports alone, excluding despatches to other parts of the interior, are just 30 per cent. of the outturn.

On an average annual area of 1,630,000 acres in the *North-West Provinces* and *Oudh*, the outturn is given as 63 lbs. per acre, which means a yield of 260,000 bales. The local consumption is estimated at 32 per cent. or, say, 83,000 bales, a balance for export of 177,000 bales. But in the last three years, to the three leading ports alone of Bombay, Bengal and Sind, they have averaged 251,000 bales. If we put the local consumption at but 10,000 bales, and we know that the 5 mills last year took besides 27,000 bales, we reach an aggregate of 288,000 bales against our estimate of 290,000 bales. This outturn gives a yield of nearly 80 lbs. per acre.

The latest and only estimate of the area under Cotton cultivation in *Bengal* is 162,000 acres, yielding, at 96 lbs. per acre, about 40,000 bales.

Turning southwards we come to the *Nizam's Territory*, regarding which there is very little material to work upon, the reports of this Native State being sadly deficient in agriculture statistics. On the bare returns to the Supreme Government we find the total area taken up on an average with Cotton is about 970,000 acres, and the yield per acre is given as 34 lbs., or, say, 81,300 bales. Now we know that of the 95,000 bales, which on an average come to Bombay under the head of "Barsee" and "Nuggars," but 8,000 bales are the produce of Bombay soil, leaving 87,000 bales as the produce of the adjoining territory of H. H. the Nizam. If we add but fifty per cent. for the rest of this large territory we reach a total of 130,000 bales, or an outturn per acre of 52½ lbs.

The average area in the *Madras Presidency* we place at 1,675,000 acres. The official estimate of yield per acre is given at 37 lbs. equal to 158,100 bales; but looking at the exports of each of the growths and the local and mill consumption we calculate the following as nearer the correct figures:—

Westerns	665,000	acres at	41 lbs.	equal to	70,000 bales.
Tinnevellys...	742,000	„	54 „	„	100,000 „
Coconadas	245,000	„	37 „	„	23,000 „
N. Districts not exported ...	23,000	„	37 „	„	2,200 „
Total...	1,675,000	acres at	45½ lbs.	equal to	195,200 „

The mills last year in this Presidency consumed nearly 44,000 bales (of 3½ cwts. each).

Regarding *Mysore* and *Coorg* we have no returns beyond the official ones, which give the normal area as 25,000 acres and the yield as 10,000 cwts. of cleaned Cotton, or, say, 2,856 bales of 3½ cwts. The average annual despatches to Madras by rail are only 300 bales, leaving 2,550 bales for local consumption, whereas the two mills at Bangalore are said to consume 5,800 bales, though the greater portion may be imported. But if we put the production at 3,500 bales only, the yield on 40,000 acres would be 55 lbs. per acre.

In *Assam* the yield on 40,000 acres is given as 53,400 cwts. [15,257 bales] or 150 lbs. per acre.

In *Lower Burmah* the area under Cotton has dropped to 8,000 acres, and the exports to 9,000 bales, consequently the acreage returns are estimated too low, or the bulk of the Cotton exported from Rangoon is not grown in Lower Burmah.

Summarising the above remarks we arrive at the following results of the outturn of each Province:—

		lbs.
Bombay	Khandeish (*Oomras*) ...	98
	Barsee & Nuggar (*Oomras*)	?
	Kathiawar (*Dholleras*) ...	74
	Broach (*Broach*)... ...	98½
	Bijapore (*Coomptas*) ...	50
	Dharwar (*Dharwars*) ...	50
	Average	79
Sind (*Sind*)		152
Berar (*Oomras*)		52
Central Provinces (*Hinghunghat*) ...		42
Rajputana & Central India (*Bengals*)		112
N.-W. Provinces & Oudh (*Bengals*)...		80
Punjab (*Bengals*)		96
Bengal (*Bengals*)		96
Nizam's territory (*Oomras & Westerns*)		52½
Madras	(*Westerns*)...	41
	(*Tinnevellys*)	54
	(*Coconadas*)	37
Mysore & Coorg		55
Assam		150
Burmah		?
Average per acre		71·8

On a total average area of 14,222,000 acres 71·8 lbs. per acre give an aggregate of 2,604,948 bales of 3½ cwts. On an average 3 lbs. of "Kuppas" or Seed Cotton yield 1 lb. of Lint, but the outturn varies considerably in different districts, and in the same districts in different years. A moderate rainfall during the monsoon, followed by dews in the cold weather, when the crop is reaching maturity, gives the best results.

No. 5.

Seasons of the various growths of Indian Cotton. 1887

Description of Cotton.	Districts where grown.		Ports of Shipment.	Land prepared for sowing.	Seed sown.	Picking usually commences.	Picking usually completed.	First Receipts at Ports of shipment.	Average Crop in bales of 3½ cwts. (392 lbs. net.)		Average Receipts in Bombay in bales of 3½ cwts. [1884 to 1888.]		Average Area.
													Acres.
Hinghunghat ..	Wardha, Nagpore, &c...	Central Provinces.	Bombay ..	May-June ..	June ..	Nov.-Dec. ..	Feb.-March ..	Nov.-Dec. ..	65,000	65,000	12,000	12,000	610,000
Oomrawuttee	Ellichpore, Akola, &c. ..	Berar ..	Do. ..	Do. ..	Do. ..	Do. ..	Do. ..	Do. ..	260,000		246,000		1,960,000
	Khandeish	Bombay ..	Do. ..	Do. ..	Do. ..	Dec.-Jany. ..	March ..	Dec.-Jan. ..	220,000	575,000	193,000	522,000	880,000
	Barsee, Ahmednagar ..	Do. ..	Do. ..	Do. ..	Do. ..	Do. ..	March-April..	Jan.-Feb. ..	95,000		83,000		63,000
Dholleras ..	Bhownuggar, Kathiawar	Do. ..	Do. ..	Do. ..	Do. ..	Feb.-March...	April ..	Feb.-March..	480,000	480,000	402,000	402,000	2,547,000
	Ahmedabad, Cutch, &c. .	Do. ..	Do. ..	Do. ..	Do. ..	March-April.	April-May ..	March-April.					
Broach	Broach, Surat, Baroda..	Do. ..	Do. ..	Do. ...	Do. ..	February ..	April ..	Feb.-March..	150,000	150,000	133,000	133,000	597,000
Coompta ..	Bijapore, Dharwar, &c. .	Do. ..	Do. ..	July-Aug...	August ..	March ..	May ..	April ..	120,000	120,000	131,000	131,000	968,000
Dharwar ..	Dharwar, Southern Mahratta States.	Do. ..	Do. ..	Do. ..	Do. ..	Do. ..	Do. ..	Do. ..	35,000	35,000			277,000
Bengals ..	Punjab	....	Kurrachee .. Calcutta .. Bombay ..	May-June ..	June ...	Oct.-Nov. ..	Dec.-January.	November ..	210,000				860,000
	N.-W. Provinces & Oudh	....	Calcutta .. Bombay ..	Do. ..	Do. ..	Do. ..	Do. ..	Do. ..	290,000	780,000	221,000	221,000	1,630,000
	Bengal	....	Calcutta ..	Do. ..	Do. ..	Do. ..	Do. ..	Do. ..	40,000				162,000
	Rajputana and Central India.	....	Bombay ..	Do. ..	Do. ..	Nov.-Dec. ..	Feb.-March ..	Dec.-Jan. ..	240,000				840,000
Westerns	Sholapur, &c.	Bombay ..	Do. ..	July-Aug...	August-Sept.	March-April.	May ..	April ..	10,000				25,000
	Nizam's Dominions ..	....	Bombay .. Madras ..	Do. ..	Do. ..	Do. ..	May-June ..	Do. ..	130,000	210,000	32,000	32,000	970,000
	Bellary, Cuddapah, &c..	Madras ..	Do. ..	Do. ..	Do. ..	Do. ..	Do. ..	Do. ..	70,000				665,000
Coconadas ..	Kistna, &c.	Do.	Madras .. Coconada ..	Aug.-Sept. ..	Sept.-Oct. ..	Feb.-March.	June ..	June ..	23,000	23,000	..	..	245,000
Tinnevellys ..	Tinnevelly, &c. ..	Do.	Tuticorin ..	Do. ..	Oct.-Nov. ..	Do. ..	March-April.	March-April..	100,000	*100,000	..	..	742,000
Sind	Sind..	....	Kurrachee..	May-June ..	June-July ..	November ..	Dec.-Jan. ..	Dec.-Jan. ..	30,000	30,000	†36,000	36,000	75,000
Assam	Assam	....	Calcutta ..	Do. ..	Do. ..	Do. ..	January ..	Do. ..	15,000	15,000	..	..	40,000
Burmah ..	Burmah	....	Rangoon ..	Do. ..	Do. ..	Do. ..	Do. ..	December ..	9,000	9,000	..	..	8,000
							Other	Descriptions..	8,000	8,000 Persian, &c., imported	..	18,000	
										2,600,000		1,507,000	

* Nearly the whole of this passes through Bombay, but is not included in the Bombay returns, as the Cotton is only sent to Bombay for transhipment.

† Sind [and "Bengals" from the Punjab] *via* Kurrachee.

INDIA.

TABLES BASED ON RETURNS

For the Official Years ending 31st March.

ANNUAL EXPORTS, EXPORTING PORTS AND FOREIGN IMPORTING PORTS.

PRODUCTION, EXPORTS AND CONSUMPTION.

Exports.

Under the head of each port we give the exports in each *calendar* year, and under that of Bombay the monthly and half-yearly figures, so that comparison can easily be made of the exports, either at the end of June or at the close of December in each year. The official year, unfortunately for Cotton returns, closes on 31st March, or in the middle of a season; consequently the Government returns are useless for comparing the different crops, but they are useful in showing the actual weight of Cotton exported in a given twelve months over a lengthened series of years.

In Table No. 6 we give the annual exports from all India to Foreign ports *only*, in cwts., and we add a second column showing the weight reduced to bales of an uniform weight of 3½ cwts. (392 lbs.). A third column gives the official values, based on the returns made by shippers at the time the Cotton was passed through the various Custom Houses at the several ports in India. Fifty years ago the total exports reached but 248,000 bales. Eight years later, in 1841-42, the aggregate, for the first time, exceeded half a million bales. Of the shipments in 1846-47 to 1853-54 we have no records, but it is pretty evident that it was not till 1861-62—just eight and twenty years ago—that the exports exceeded a million bales. The Civil War in America had commenced, and during the next three years, while it continued, every effort to increase the cultivation in India was made and the country denuded of supplies as well as of reserve stocks. In these three years the shipments averaged 1,317,000 bales,

fluctuating between 1,208,000 and 1,403,000 bales, but values rose enormously. The 1,008,000 bales in 1861-62 were valued at 1,020 lakhs* of rupees; the 1,208,000 bales the following year at 1,878 lakhs; the 1,403,000 bales in 1863-64 at 3,586 lakhs and the 1,339,000 bales in the succeeding twelve months, at 3,757 lakhs. In 1865-66 over two millions bales (2,049,000) were shipped for the first time, but the value had commenced to drop, and was put at 3,559 lakhs. The following year, owing to a change in the closing date from 30th April to 31st March, in the eleven months but 1,086,000 bales were shipped, the value having dropped to 1,643 lakhs. In the subsequent four years the exports averaged 1,309,000 bales and the values 1,969 lakhs, but rose again in 1871-72 to 2,064,403 bales—the maximum quantity ever shipped in one year and ever likely to be—valued at 2,127 lakhs. In the next five years the despatches ranged between 1,260,000 and 1,600,000 bales, dropping in 1877-78—the famine year—to 988,000, and in the following year to only 847,000 bales. Two years later the total rose to 1,298,000 bales, and in the next three averaged 1,693,000 bales, dropping again to 1,447,000 and in 1885-86 to 1,197,000 bales. In the last three they have averaged 1,537,000 bales, valued at 1,431 lakhs.

No. 6.

Annual Exports of Cotton from all India to Foreign Ports.

From Government Returns.] [Year ending { 30th April before, / 31st March since, } 1867-68.

Year.	Cwts.	Equivalent in Bales of 392 lbs.	Value in Rupees.	Year.	Cwts.	Equivalent in Bales of 392 lbs.	Value in Rupees.
			Rs.				Rs.
1834-35 ...	867,560	247,874	1,67,27,731	1863-64†...	4,911,843	1,403,384	35,86,47,950
1835-36 ...	1,305,782	373,081	2,63,79,046	1864-65†...	4,687,972	1,339,421	37,57,36,370
1836-37 ...	1,557,463	444,989	2,52,37,964	1865-66†...	7,170,386	2,048,853	35,58,78,890
1837-38 ...	1,062,389	303,540	1,65,13,807	11 months,	3,791,722	1,085,635	16 45,82,770
1838 39 ...	1,163,542	332,441	1,80,40,342	1866-67 ...			
1839-40 ...	1,130.351	328,100	1,92,13,215	1867-68 ...	5,482,643	1,566,469	20,09 15,698
1840-41 ...	1,436,279	410,365	2,27,71,319	1868 69 ..	6,228.846	1,779,670	20,14,98,248
1841-42 ...	1 777,411	507,832	2,63,71,390	1869 70 ...	4,953,879	1,415 894	19.07,91,383
1842-43 ...	1,693,452	483,844	2.39,03,497	1870-71 ...	5,157,149	1,475,471	19,46.08,988
1843 44 ...	1,835,961	524,560	2,50.57,693	1871-72 ...	7,225,411	2.064,403	21,27.24,297
1844-45 ...	1,623,164	463,761	2,10,00,620	1872-73 ...	4,412,629	1,260,751	14,02 21,082
1845-46 ...	1,328,506	379,573	1,59,82,060	1873-74 ...	4 499.698	1,285,628	13.21.72.409
1846-47 ...	.....	.....	.....	1874-75 ...	5.600,086	1,600,025	15 25,73,416
1847 48 ...	.....	.....	.....	1875-76 ...	5,009,788	1,431,368	13.27,89.635
1848-49 ...	.....	.....	.....	1876-77 ...	4.557,914	1,302,261	11,74,61,836
1849-50 ...	.....	.....	.....	1877-78 ...	3,459,077	988,308	9.38,35,340
1850-51 ...	.....	.....	.....	1878 79 ...	2,966.060	847,446	7.91,30,458
1851 52 ...	.....	.....	.....	1879-80 ...	3,948,476	1,128.136	11,14 54,128
1852-53 ...	.....	.....	.....	1880-81 ...	4,541 539	1,297,582	13.21,17 341
1853 54 ...	.....	.....	.....	1881-82 ...	5,627.453	1,607.844	14,93,59,595
1854-55 ...	1 551,608	443,317	2,42,87 610	1882-83 ...	6.168,278	1,762,365	16,01,90,174
1855-56 ...	.....	.....	3,31,49,510	1883-84 ...	5.979.494	1,708,436	14,38.37,278
1856-57 ...	2.854,049	815,443	4,43,79,490	1884-85 ...	5,066,057	1 447,445	13 28,63.673
1857-58 ...	2,324.489	664,139	4,30,17,680	1885-86 ...	4,189 718	1,197,062	10,77,72,041
1858-59 ...	1.945,192	555,769	4,09,41,000	1886 87 ..	5,432,648	1,552,185	13,46,84.294
1859-60 ...	3,088,871	882,535	5.63,76,240	1887-88 ...	5,374,542	1,535,583	14,41,28,417
1860-61 ...	3,405,911	973,117	7,34 21,680	1888-89 ...	5,331,904	1,523,401	15,04,65,926
1861-62†...	3,527,670	1,007,906	10,20,34,700	1889-90 ...	.....	.....	.....
1862-63†...	4,229,271	1,208,363	18,77,90,400				

* A lakh in those days was, at 2*s.* to the rupee, equivalent to £10,000; at present, at 1*s.* 4*d.*, it is equal to £6,666-13-4.

† American War.

No. 7.

Exports from India, 1833 to 1846.

From	Period.	Quantity.		Annual Average in Bales of 3½ Cwts.	Value in Lakhs of Rs.	
		Total Cwts.	Annual Average Cwts.		Total.	Annual Average.
Bombay ...	January 1, 1834, to December 31, 1846.	13,615,569	1,047,351	299,244	2,132·56	164·04
Calcutta ...	May 1, 1833, to April 30, 1846.	2,264,278	174,175	49,764	304·20	23·40
Madras ...	Do. do.	1,529,143	117,626	33,607	228·11	17·55
Tuticorin ...	Do. do.	376,924	28,994	8,284	50·66	3·90
	Total ...	17,785,914	...	390,899	2,715·53	...
	Average ...	...	1,368,148	390,899	...	208·89

Exporting Ports.

Elsewhere we deal with the exports in *bales* from each port in each *calendar* year, but to examine the official statistics in regard to the actual weight exported in each official year to Foreign ports we have compiled table No. 6 as a supplement to table No. 6.

In the past fourteen years, 1875-76 to 1888-89, the total quantity exported to Foreign countries was 19,326,000 bales, averaging 1,380,000 bales per annum, and the share of each Province is shown below :—

Province.	Ports.	Total Bales. of 3½ cwts.	Annual Average.	Proportion. Per cent.
Bombay ...	Bombay ...	14,680,000	1,048,571	75·95
Sind ...	Kurrachee ...	474,000	33,857	2·46
Bengal ...	Calcutta ...	2,018,000	144,144	10·44
Madras ...	Madras, Coconada and Tuticorin...	1,919,000	137,071	9·93
Burmah ...	Rangoon ...	235,000	16,786	1·22
Total, 1875-76 to 1888-89 inclusive ...		19,326,000	1,380,429	100·00

No. 8.

Annual Exports of Cotton from all India and from each Presidency or Province to Foreign Countries since 1874-75.

From Government Returns.] In cwts. and in bales of 3½ cwts. each. [Years ending 31st March.

Years ending 31st March.	From Bombay (Bombay).		From Sind (Kurrachee).		From Bengal (Calcutta).		From Madras (Madras, Coconada and Tuticorin).		From Burmah (Rangoon).		Total India.	
	Cwts.	Bales.	Cwts.	Bales.	Cwts.	Bales.	Cwts.	Bales.	Cwts.	Bales.	Cwts.	Bales.
1875-76 ...	3,722,442	1,063,555	165,372	47,249	310,469	88,705	701,079	201,308	110,426	31,550	5,009,788	1,431,368
1876-77 ...	3,570,920	1,020,263	136,176	38,907	311,125	88,893	459,964	131,718	79,729	22,779	4.557,914	1,302,261
1877-78 ...	2,979,684	851,338	136,387	38,968	95,598	27,314	143,808	41,088	103,600	29,600	3,459,077	988,308
1878-79 ...	2,087,464	596,418	109,006	31,145	343,538	98,154	364,108	104,031	61,944	17,698	2,966,060	847,446
1879-80 ...	2,536,748	724,785	112,307	32,088	807,610	230,745	419,375	119,821	72,436	20,699	3,948,476	1,128,136
1880-81 ...	3,220,308	920,088	104,605	29,887	875,697	250,199	313,263	89,504	27,666	7,905	4,541,539	1,297,582
1881-82 ...	4,433,167	1,266,619	131,770	37,648	702,338	200,668	354,168	101,191	6,010	1,717	5,627,453	1,607,844
1882-83 ...	4,896,405	1,398,973	100,334	28,667	512,305	146,373	619,023	176,864	40,211	11,489	6,168,278	1,762,365
1883-84 ...	4,561,634	1,303,324	57,531	16,437	636,638	181,897	629,845	179,956	81,624	23,331	5,967,272	1,704,935
1884-85 ...	4,064,609	1,161,317	71,660	20,474	288,976	82,564	557,877	159,393	82,936	23,696	5,066,057	1,447,445
1885-86 ...	3,259,621	931,320	124,578	35,594	416,760	119,074	331,302	94,658	57,457	16,416	4,189,718	1,197,062
1886-87 ...	3,917,929	1,119,409	149,431	42,694	770,941	220,268	563,708	161,059	30,640	8,754	5,432,648	1,552,185
1887-88 ...	3,929,555	1,122,730	131,135	37,467	618,426	176,693	658,300	188,086	37,126	10,607	5,374,542	1,535,583
1888-89 ...	4,198,262	1,199,503	130,749	37,357	375,214	107,204	595,556	170,147	32,123	9,178	5,331,904	1,521,401

Foreign Importing Countries.

The countries to which Indian cotton is exported, and the quantities despatched of late years, are shown under each Indian port, but the annexed table shows the proportion sent to Foreign countries from all India in each of the past seven official years. Before the Suez Canal was opened, at the end of 1869, the major portion of the Indian crops was despatched to England, whence the bulk was re-exported to the Continent of Europe, but the opening up of direct communication with the Mediterranean and the impetus given thereby to the building and use of steamers began to divert the depôt trade from England to direct shipments to the Continent. Seven years ago England's share had fallen to 46·4 per cent. and four years later to 34·2 per cent., but rose again in the next two to 39·8 per cent Last year it was back to the lowest yet recorded, *viz.*, 33·34 per cent. Liverpool and London are the principal importing ports, and a small quantity goes to Hull, for transhipment to ports on the North Continent of Europe and in the Baltic, with which direct communication did not exist. *Italy* till last year was the next largest importer of Indian Cotton, though her requirements are regular if stationary and show no sign of expansion. Seven years ago her share was 15·2 per cent., but it rose to 19·1 three years later. Last year it was 14·6 and the average for the 7 years is 15·3 per cent. The importing ports are Genoa, Leghorn, Naples and Venice. Fourth in importance is *Austria*, receiving through Trieste, and her share last year rose to 14·2 per cent. Seven years ago it was 12·4 and the average for that period 12·3 per cent. *Belgium* from the position of sixth, seven years ago, has now risen to second, her takings in that period having advanced from 5·4 to 16·4 per cent., the mean being 11·6. Antwerp used to be the only importing port, but now Ghent receives annually about 10,000 bales. *France* has dropped to the sixth position. Last year it was 10·3 per cent., seven years ago 9·5, the average being 10·8 per cent., received through Havre, Dunkirk and Marseilles. *Germany* has so far received little Indian Cotton, through her own ports, but this year a good deal more has gone to *Hamburg, direct steamers having loaded for that port at Bombay. Previously the bulk of her purchases were received through Belgium, Italy and Austria. Her direct takings last year rose to 3·6 per cent., the average for the seven years being 2·1. *China's* requirements of raw Cotton are being displaced more and more each year by Bombay Twist. Seven years ago she had dropped, from being India's largest customer, to 5·9 per cent., last year her share was but 2·6, and the mean for the period of our table, 4·2 per cent. In the first five of the past seven years the takings of *Other Countries* ranged from 3·2 to 3·8 per cent., but in the last two they have averaged 5·2 per cent.; *Spain*, through Barcelona, and *Russia*, through Odessa, being the principal countries under this head :—

Exported to	1882-83.	1883-84.	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.	Average.
	Per cent	Per cent	Per cent	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.
United Kingdom	46·4	45·1	42·1	34·2	37·6	39·8	33·3	39·8
Italy	15·2	14·7	14·6	19·1	14·8	14·4	14·6	15·3
Austria	12·4	10·0	11·3	12·0	13·9	12·6	14·2	12·3
France	9·5	11·2	11·4	11·3	11·6	9·2	10·3	10·8
Belgium	5·4	7·6	10·5	14·8	13·9	12·5	16·4	11·6
China	5·9	5·2	4·6	4·9	2·3	3·7	2·6	4·2
Germany	1·9	2·2	1·7	·4	2·5	2·5	3·6	2·1
Other Countries	3·2	3·8	3·6	3·2	3·3	5·3	5·0	3·9

* From January to June 1890, steamers of the "Hansa" Line of Bremen, have been fixed to load monthly at Bombay, taking cargo for Hamburg and Bremen.

Production, Exports and Consumption.

In 1869, Mr. H. Rivett-Carnac, Bengal Civil Service, who was then Cotton Commissioner for the Central Provinces and Berars, wrote an excellent report on the trade not only of these Provinces, but generally of India and other Cotton-producing countries. He estimated the consumption of India at 600,000 bales. At that time there were only seventeen mills in India and their consumption was in round numbers about 90,000 bales of Cotton. Of these mills ten were on Bombay Island and four up-country in the Presidency, at Ahmedabad, Duskeohie, Broach and Surat, two in Calcutta and one at Cawnpore, containing in all 390,500 spindles and 3,952 looms, of which 338,000 spindles and 3,732 looms were in the Bombay Presidency. Mr. Thomas Ellison in his book, "The Cotton of Great Britain," wrote in 1886 :—"Twenty-five years ago "the current notion both here and in India was that the Cotton crop of that "dependency was equal to some 5,000,000 or 6,000,000 bales of American "weight ; some authorities, indeed, went so far as to estimate the yield at "10,000,000 bales! But the fact that the extraordinary high prices current "during the American War failed to raise the import into Europe to more than "1,374,000 bales of 400 lbs. against 949,000 bales in 1861, was a proof that "the crop could never at any time have reached one-half of the smallest previous "estimates. Making the most ample allowance for native consumption, it is "doubtful if the Indian crop ever exceeded 2,250,000 bales or at the outside "2,500,000 bales. This was demonstrated by Mr. Samuel Smith (Messrs. "Smith, Edwards & Co.), who visited India in 1863; and his conclusions "were confirmed in a remarkable degree by Mr. Rivett-Carnac, the Govern-"ment Cotton Commissioner, who thoroughly investigated the matter in 1868. "The high prices caused by the Cotton famine, however, gave an impetus "to the culture in India, which it would not otherwise have obtained, and "thereby secured to Europe a permanent increase in supply. Moreover, the "quality of the cotton has been so materially improved by the introduction "of better methods of handling the crop, that 'Surats' are no longer despised "as they were up to within a few years ago."

With later and more accurate information before us, we agree entirely with these authorities, for even at this date, with a larger area under cultivation and increased facilities for bringing the crops to market, we estimate an average crop for all India at 2,600,000 bales. We show this in table No. 5 and in the notes attached to it state our reasons for arriving at the average crop of each growth :—

		Bales.
Oomras	Khandeish	220,000
	Barsee and Nugger	95,000
	Berar	260,000
	Total Oomras	575,000
Hinghungbat		65,000
Dholleras and Bhownuggers		480,000
Broach		150,000
Coomptas		120,000
Dharwars		35,000
Sind		30,000
Assam		15,000
Burmah		9,000
Bengals	Punjab	210,000
	N.-W. Provinces and Oudh	290,000
	Bengal	40,000
	Rajputana & Central India	240,000
	Total Bengals	780,000
Westerns	Sholapore (Bombay)	10,000
	Nizam's Territory	130,000
	Bellary, &c. (Madras)	70,000
	Total Westerns	210,000
Coconadas		23,000
Tinnevellys		100,000
Other descriptions		8,000

Total all growths 2,600,000 bales of 3½ cwts. (392 lbs.) or 2,548,000 bales of 400 lbs. each.

We now come to the question of consumption. In tables No. 9 and No. 10, we show, in the former, in parallel columns, the annual exports and approximate consumption of the Spinning Mills since 1864-65 up to 1877-78. Since that date we have complete and valuable records collected to the 30th June in each year by the Bombay Mill-owners' Association. Within two months of the close of June the energetic Secretary of this Association was able to lay this year before those interested the contents of each of the 124 mills scattered throughout the country and the quantity of Cotton consumed by them in the preceding twelve months. The tables we have compiled show at a glance the marvellous strides which the industry has made in less than a quarter of a century. In four and twenty years the consumption has risen from 60,000 to 889,000 bales! The average of the last three years is 767,000 bales, that of the exports 1,521,000 bales: total 2,288,000 bales, leaving for local consumption and stock but 312,000 bales. But in the last official year (ending 31st March) and in the mill year (ending 30th June) the exports and mill consumption together reached an aggregate of 2,412,000 bales, and we consider we are well within the limit if we assert that the late crop was some 150,000 bales in excess of the average, say, a total of 2,750,000 bales.

In table No. 10 we have worked out the quinquennial averages of exports and mill consumption since 1834-35, with the exception of one decade, for which we have no returns. Taking the exports first, it will be seen that in six and twenty years, from 1834-35, the quinquennial shipments increased from 340,000 to 817,000 bales, the value rising from 206 to 631½ lakhs of rupees. In the next five years, which embraces the period of the American War, the exports rose to an average of 1,417,000 bales per annum, and the value to a mean which has never since been reached, of 2,885 lakhs. Though in the next five the shipments advanced to an average of 1,660,000 bales, they dropped successively in the two succeeding quinquennial periods to 1,376,000 and then to 1,174,000 bales, the values meanwhile showing no fluctuation, but declining in each succeeding period from 2,885 to 2,001 lakhs, then to 1,350 and finally to 1,132 lakhs of rupees. Between 1882-83 and 1886-87 there was a very marked recovery in both the quantity and value of the Exports, the former advancing to 1,534,000 bales and the latter to 1,352 lakhs. In the two succeeding years the quantity shipped had not varied a couple of thousand bales, but the value had steadily advanced from 1,352 to 1,441 lakhs and last year to 1,504½ lakhs of rupees.

The returns of mill consumption show no such fluctuations, the increase in each quinquennial period being very considerable. In the five years ending 1866-67 the average annual consumption was but 60,000 bales; last year (to 30th June 1889) it was 888,864 bales, an increase in two and twenty years of 1,381·44 per cent.! In the second period the increase was 44,600 bales per annum, equal to 74·33 per cent. In the third, on the second, 77,400 bales, equal to just under 74 per cent. In the fourth, progressively, 129,000 bales, equal to 70·88 per cent., and in the fifth, ending with the year 1886-87, the increase on the previous quinquennial period was 279,477 bales, equal to 89·76 per cent. In the following year the advance on the preceding *period* was 196,152 bales, equal to 33·19 per cent., and last year on 1887-88, 101,382 bales, equal to 12·94 per cent.

Adding the mill consumption to the exports we get an idea of the quantity of Cotton actually brought into statistical view. In the last column of table 10, we give the ratio of the mill consumption to the total exports and

mill consumption, in the last five quinquennial periods and in the last two years. From 4 per cent. it has now risen to 36·85 per cent.

Elsewhere we have estimated an average Indian Cotton crop at 2,600,000 bales (in the past season at 2,750,000 bales). The mean of the total shipments and mill consumption in the past two years is 2,367,000 bales, leaving but 133,000 bales per annum for consumption in the country, other than by the mills, equal with a population of, say, 250 millions at only 21 lbs. per capita, an estimate which is too low, but which confirms our opinion that in putting the average at 2,600,000 bales we are well within the mark.

No. 9.

Annual Exports from and Mill Consumption of Cotton in India since 1864-65, *in Bales of* 3½ *cwts.* (392 *lbs.*) *each.*

YEARS.	Exports, Bales.	*Mill consumption, Bales.	Total Exports and Mill consumption, Bales.	REMARKS.
1864–65	1,339,421	60,000	1,399,421	The first Mill was started in Bombay in 1854.
1865–66	2,048,853	66,000	2,114,853	
1866–67	1,085,635	70,000	1,155,635	
1867–68	1,566,469	78,000	1,644,469	
1868–69	1,779,670	90,000	1,869,670	10 Mills (286,000 spindles) in Bombay, 4 Mills up-country in the Bombay Presidency (36,000 spindles), 2 in Calcutta (42,000 spindles), and 1 in Cawnpore (10,000 spindles.)
1869–70	1,415,394	100,000	1,515,394	
1870–71	1,473,471	120,000	1,593,471	
1871–72	2,064 403	135.000	2,199.403	
1872–73	1,260,751	150,000	1,410,751	
1873–74	1,285,628	160,000	1,445,628	
1874–75	1,600,025	180,000	1,780,025	12 new Mills in Bombay Island and 5 up-country were being built.
1875–76	1,431,368	200,000	1,631,368	
1876–77	1,302,261	220,000	1,522,261	
1877–78	988,308	205,000	1,193,308	2 Mills went into liquidation.
1878–79	847,446	267,585	1,115.031	7 Mills do. do.
1879–80	1,128,136	307,631	1,435,767	6 of these Mills reconstituted; loss over 31 lakhs of original capital.
1880–81	1,297,582	378,989	1,676,571	3 of above Mills reconstituted. 6 new Mills in Bombay and 3 up-country projected.
1881–82	1,607,844	397,562	2,005,406	2 Mills reconstituted.
1882–83	1,762,365	456,556	2,218,921	3 new Mills in Bombay and 1 up-country began work and another began to be built.
1883–84	1,704,935	531,365	2,236,300	2 new Mills began work in Bombay. 5 new ones in Bombay and 5 up-country building.
1884–85	1,447,445	596,749	2,004,194	6 in Bombay and 2 up-country began work, 2 in Bombay projected.
1885–86	1,197,062	643,204	1,840,266	1 new and 1 old Mill in Bombay began work; 4 up-country and 4 in Madras being erected.
1886–87	1,552,185	726,276	2,278,461	4 in Bombay, 3 in Berar, N.-W. P. and C. P. being built.
1887–88	1,535,583	786,982	2,322,565	9 in Bombay building; 8 or 9 others projected; 5 in the interior building.
1888–89	1,523,401	888,654	2,412,055	14 in Bombay and 4 up-country building.

N.B.—The Exports were in the official years ending 31st March, the Mill consumption for years ending 30th June.

* Previous to 1878-79 estimated.

No. 10.

Quinquennial Averages of Exports and Mill Consumption.

Quinquennial Periods.	Average Annual Exports.		Value in Lakhs of Rupees.	Mill Consumption.		Exports and Mill Consumption Total.		Percentage of Mill Consumption to Total Weight.
	Cwts.	Bales of 3½ cwts.		In Bales of 3½ cwts.	Value in Lakhs of Rupees.§	Bales of 3½ cwts.	Value in Lakhs of Rupees.	
								c/o
1834-35 to 1838-39 ...	1,191,845	340,384	205·8	*Nil.*	*Nil.*	.....	.....	.....
1839-40 „ 1843-44 ...	1,574,751	449,929	234·6	*Nil.*	*Nil.*	.....	.....	.....
1844-45 „*1855-56 ...	?	?	?	*Nil.*	*Nil.*	.....	.....	.....
*1856-57 „†1861-62 ...	2,858,427	816,694	631·5	?	?	?	?	.....
†1862-63 „ 1866-67 ...	4,959,959	1,417,131	2,885·2	60,000	122·1	1,477,131	3,007·3	4·06
1867-68 „ 1871-72 ...	5,809,586	1,659,882	2,001·0	104,600	126·5	1,764,482	2,127·5	5·92
1872-73 „‡1876-77 ...	4,816,023	1,376,007	1,350·3	182,000	178·5	1,558,007	1,528·8	11·68
‡1877-78 „ 1881-82 ...	4,108,521	1,173,863	1,132·3	311,353	300·8	1,485,216	1,433·1	20·94
1882-83 „ 1886-87 ...	5,367,237	1,533,496	1,352·2	590,830	521·0	2,124,326	1,873·2	27·82
1887-88 ...	5,374,542	1,535,583	1,441·2	786,982	743·0	2,322,565	2,184·2	33·88
1888-89 ...	5,331,904	1,523,401	1,504·6	888,864	898·2	2,412,055	2,402·8	36·85

Year of Maximum Value.

1864-65...	4,687,972	1,339,421	3,757·3	60,000	168·2	1,399,421	3,925·5	4·29

Year of Maximum Exports.

1871-72...	7,225,411	2,064,403	2,127·2	135,000	139·0	2,199,403	2,266·2	6·14

Year of Maximum Exports and Mill Consumption combined.

1888-89...	5,331,904	1,523,401	1,504·6	888,864	898·2	2,412,055	2,402·8	36·85

* Indian Mutiny. † American War of Secession. ‡ Famine Years.

§ Value of Mill consumption estimated on Export values.

N.B.—The Export year ends on 31st March, the Mill year on 30th June.

INDIA.

METEOROLOGY.

In table No. 11 we give the mean monthly monsoon and annual rainfall at the principal stations in the Cotton-growing districts.

Dholleras.

In Kathiawar the monsoon rainfall, June to October, ranges from 18½ inches at Wudwan to 33 inches at Dhollera. On the West Coast it is much lighter, but no recording stations exist.

Broach.

Being further south the Broach and Surat districts get more moisture, the quantity ranging, in the rainy season, from 40 inches at Broach to 43 inches at Surat.

Khandeish (Oomras).

In this district, which lies due east of Surat, but on the other side of the Ghauts, Dhulia receives but 22 inches, while Julgaon still further east gets as much as 38¾ inches.

Barsee and Nugger (Oomras).

At Barsee from May to November 29¼ inches is the average fall, in the remaining five months no rain, as a rule, falling, but at Ahmednugger, though the annual fall is but 26 inches, some rain is recorded in every month, the June to October fall being 22¼ inches.

Coomptas and Dharwars.

The rains in the Southern Mahratta Country set in towards the close of April and extend into November, though in every month rain is, on an average, recorded. The annual fall at Bijapore is 24½ inches, at Hubli 26 inches, at Dharwar just over 33 inches, and at Belgaum 48¾ inches.

Berars (Oomras).

Between June and October the monsoon fall ranges from 27½ inches at Khamgaum to 29¾ inches at Amraoti (Oomrawuttee, before the Hunterian system of spelling was adopted officially). In this province rain is recorded throughout the year, though the total fall between November and May is but 2 to 3 inches. On its absence from December to February depends, to a very great extent, the quality of the crop.

Central Provinces (Hinghunghat).

In these provinces—the granary of India—the cultivation of Cotton, as shown elsewhere, is falling off, Wheat and oil seeds paying better than Cotton, which only yields a good crop in those years which are drier than the average. A seasonable year for this crop is, as a rule, the reverse for Wheat, and the outturns of the present season (1888-89) emphasise our remarks.

Punjab (Bengals).

The rainfall in this province varies greatly. At Multan in the south-west but 7¾ inches is the total annual fall. At Lahore, the capital, in almost the centre of the province, it rises to 21¾ inches, and increases at Umritsur to 26 inches. At Umballa to the south and east approaching the Himalayas the fall rises to over 35 inches, but drops again at Delhi, the extreme south-east, to 27½ inches.

North-West Provinces and Oudh (Bengals).

At Almora, in the hilly district of Kumaon, the annual fall is as much as 39 inches, but on the plains, in the centre, it varies from 26 to 29 inches, increasing to the southwards to 30¼ inches at Cawnpore and to the south-west to 35¾ inches at Jhansi. At Lucknow, in the centre of Oudh, the annual fall is 37½ inches.

Rajputana (Bengals).

The north and west of this province is principally desert, but to the south and east fertile, where the fall varies from 20 to 27 inches.

Central India (Bengals).

In the main or western section the rainfall varies from 33 to 36 inches, but at Bhopal is as much as 49½ inches, while in the Eastern section, at Rewah, due south of Allahabad, it rises to 55½ inches.

Bengal (Bengals).

The limited cotton areas vary greatly in their rainfall, the quantity gauged ranging from 40 to 75 inches.

Nizam's Dominions (Oomras and Westerns).

At Hingoli, on the borders of Berar, the annual fall reaches 38½ inches and here Oomra Cotton is grown. Due south, about 175 miles, at Gulburga it drops to 30 inches. To the east, at Secunderabad, it averages but 28½ inches, and eighty miles south of Gulberga it totals only 25¼ inches at Raichore, the junction of the G. I. P. and Madras Railways.

Madras (Westerns, Coconadas and Tinnevellys).

About forty miles south of Raichore is Adoni, the farthest northern depôt in the western section of this Presidency, where *Westerns* are grown. Here the fall is 27¼ inches, but at Bellary, fifty miles south-west of Adoni, and on the borders of Mysore, only 17½ inches, as a rule, are recorded in the twelve months. At Cuddapah to the south and east, on the line to Madras, the rainfall rises again to 28½ inches. At Guntoor, the depôt for *Coconadas*, just 200 miles to the east of Raichore, the annual fall is 33½ inches. Proceeding southwards to the *Tinnevelly* districts, it will be seen that at Salem the annual fall is 35 inches, at Coimbatore but 21 inches, at Madura the same as Salem, at Tinnevelly 28½ inches, dropping on the Coast, at Tuticorin, to just 20 inches.

Sind.

The crops depend mainly on irrigation, the rainfall ranging from only 4 to 8 inches.

No. 11.

Meteorology of the Principal Stations in the Cotton Districts.

Growths.	Stations.		January.	February.	March.	April.	May.	5 months, January to May.	June.	July.	August.	September	October.	5 months, June to October.	November.	December.	Year.	Mean Annual. Temperature.	Mean Annual. Pressure.	
	Colaba Observatory. ...	Bombay City.	·11	·02	...	·03	·54	·70	20·79	24·67	15·08	10·78	1·81	73·13	·47	·60	74·90	79·6	29·82	Port.
	Byculla (J. J. Hospital.) ...	Bombay City.	·13	...	·01	...	·43	·57	21·61	27·47	17·48	12·25	2·79	81·60	·06	·06	82·29			
	Bhowsugger ...	Bombay ...	·06	...	...	·01	·01	·08	3·33	11·11	5·55	7·46	1·02	28·47	...	·02	28·57	...	...	Port.
	Dhollera ...	Do. ...	...	·01	...	...	·21	·22	4·35	13·15	6 39	8 30	·41	32·60	...	·14	32·96	...	...	
Dholleras ...	Veramgaum ...	Do. ...	·06	·08	...	·01	·26	·41	3·98	14·86	6·15	6·18	·26	31·43	...	·03	31·87	...	...	
	Wadwan ...	Do. ...	·04	·03	·05	·01	·14	·27	2·61	7·44	3 61	4·05	·39	18·10	·21	·01	18·59	...	...	
	Ahmedabad ...	Do. ...	·01	·07	·02	·03	69	·82	3·45	11·55	8·70	4·33	·60	28·63	·03	·04	29·52	...	...	
Broach ...	Broach ...	Do. ...	·06	·02	·01	...	·13	·22	6·67	15·33	8 87	7·18	1·72	39·77	·13	·05	40·17	...	...	Port.
Khandeish ...	Dhulia ...	Do. ...	·34	·05	·01	·03	·42	·85	4·79	4·83	3·96	4·64	2·03	20·25	·47	·39	21·96	...	...	
	Julgoan ...	Do. ...	·07	·01	·14	...	·31	·53	5·97	9·90	7·45	11·58	2·60	37·50	·10	·62	38·75	...	...	
Barsee and Nugger.	Barsi ...	Do. ...	...	...	...	...	·55	·55	4·92	4·15	5·58	8·38	4·73	27·76	·95	...	29·26	...	...	
	Ahmednugger.	Do. ...	·38	·07	·17	·47	1·34	2·43	4·75	3·12	4·28	6·87	3·29	22·31	·85	·46	26·05	...	...	
Coomptas and Dharwars.	Dharwar ...	Do. ...	·13	·02	·32	1·27	2·86	4·60	5·25	6·25	4·99	3·31	6·17	25 97	2·02	·55	33·14	...	...	
	Belgaum ...	Do. ...	·07	·02	·47	1·97	2·82	5·35	9·27	15·18	9·04	3·65	4·71	41·85	1·23	·30	48·73	74·3	27·34	
	Bijapur ...	Do. ...	·05	·02	·19	·63	·82	1·71	3·89	2·53	3·96	6·05	4·64	20·57	1·14	·94	24·36	...	...	
	Hubli ...	Do. ...	·07	...	·28	1·38	2·42	4·15	4·14	4·38	3·25	3·10	5·63	20·50	1·02	·30	25·97	...	...	
Westerns ...	Sholapur ...	Do. ...	·04	·11	·26	·69	1·15	2·25	4·60	4·34	6·00	7·47	3·67	26·08	·68	·39	29·40	78·7	28·25	
	Hingoli ...	Hyderabad...	·44	·09	·21	·50	·81	2·05	6·90	10·38	8·06	7·88	2·44	35·16	·67	·56	38·44	...	..	
	Gulberga ...	Do. ...	·06	·14	·26	·75	1·50	2·71	4·89	4 99	7·08	6·38	3·19	26·53	·48	·50	30·22	...	.	
	Secunderabad..	Do. ...	·28	·22	·73	·73	1·43	3·39	3·65	5·97	5·75	5·23	3·33	23·93	·85	·26	28·43	77·8	28·04	
	Raichore ...	Do. ...	·05	...	·28	·56	1·26	2·15	4·21	3·68	5·33	4·69	4·47	22 42	·64	·13	25·30	...	...	
	Bellary ...	Madras ...	·15	·04	·55	·75	1·80	2·29	1·79	1·34	2·25	3·72	3·95	14·05	·99	·26	17·59	80·4	28·36	
	Adoni ...	Do. ...	·07	...	·04	·53	1·67	2·31	3·98	4·16	5·57	5·42	5·10	24·23	·63	·07	27·24	...	...	
	Cuddapah ...	Do. ...	·11	·01	·24	·32	1·61	2·29	2·62	3·48	5·14	5·75	5·33	22·32	3·12	·72	28·45	...	...	
	Madras ...	Do. ...	·95	·29	·41	·64	2·24	4·53	2·09	3·79	4·43	4·71	10 81	25·83	13·75	5·15	49·26	81·8	29·84	Port.
Coconadas ...	Guntoor ...	Do. ...	·35	·14	·54	·59	1·91	3·53	3·54	4·84	6·38	5 80	6·70	27·26	2·27	·54	33·60	...	...	
	Coconada ...	Do. ...	·25	·23	·20	·44	2·20	3·32	4·22	5·50	5·21	6·53	8·98	30·44	3·52	1·01	38·29	...	...	Port.

Growths.	Stations.		January.	February.	March.	April.	May.	5 months, January to May.	June.	July.	August.	September	October.	5 months, June to October.	November	December	Year.	Mean Annual Temperature.	Mean Annual Pressure.	
Tinnevellys ...	Madura ...	Madras ...	·73	·40	·60	1·99	2·85	6·57	1·58	1·69	4·65	4·55	8·73	21·20	5·07	2·19	35·03	81·9	29·40	
	Tinnevelly ...	Do. ...	1·31	·89	1·44	1·81	1·61	7·06	·75	·33	·56	·91	6·00	8·55	9·64	3·37	28·62	...	...	
	Tuticorin ...	Do. ...	1·09	·57	·79	1·32	·87	4·64	·14	·21	·39	·66	3·66	5·06	8·07	2·24	20·01	...	...	Port.
Sind ...	Shikarpur ...	Sind ...	·30	·27	·45	·20	·08	1·30	·11	1·30	1·64	·25	...	3·30	·05	·11	4·76	...	...	
	Hyderabad ...	Do. ...	·19	·14	·11	·21	·06	·71	·39	2·84	3·19	·80	...	7·22	·08	·01	8·02	79·8	29·68	
	Kurrachee ...	Do. ...	·60	·25	·16	·18	·05	1·24	·19	3·08	1·76	·85	·07	5·95	·07	·18	7·44	77·4	29·78	
Ocmras ...	Ellichpur ...	Berars ...	·39	·10	·40	·21	·36	1·46	6·38	7·87	5·63	5·50	2·29	27·67	·48	·68	30·29	...	...	
	Amraoti ...	Do. ...	·45	·21	·33	·23	·61	1·83	6·89	8·83	7·02	5·34	1·65	29·73	·23	·58	32·37	78·2	28·59	
	Khamgaum ...	Do. ...	·18	...	·15	·04	·18	·55	5·49	7·06	6·00	6·23	2·58	27·36	·53	·51	28·95	...	...	
Hinghunghat...	Nagpur ...	Central Provinces.	·60	·41	·63	·45	·82	2·91	8·81	13·27	8·88	7·83	2·26	41·05	·40	·50	44·86	78·6	28·77	
	Wardha ...	Do.	·33	·26	·33	·35	·86	2·13	6·45	12·33	8·98	7·97	2·17	37·90	·37	·51	40·91	...	...	
	Chanda ...	Do.	·18	·71	1·11	·71	2·53	5·24	7·56	15·45	11·96	8·67	2·40	46·04	·79	·2	52·49	78·9	29·17	
Bengals ...	Mooltan ...	Punjab ...	·39	·27	·51	·34	·48	1·99	·39	2·22	1·26	·78	·11	4·76	·07	·25	7·07	76·1	29·36	
	Lahore ...	Do. ...	·69	1·12	1·06	·59	·95	4·41	1·78	7·38	4·58	2·39	·57	16·70	·15	·48	21·74	75·2	29·07	
	Amritsur ...	Do. ...	1·12	1·12	·89	·63	·93	4·69	2·89	8·52	6·21	2·83	·52	20·47	·24	·69	26·09	...	...	
	Umballa ...	Do. ...	1·41	1·46	1·07	·62	1·03	5·59	4·03	11·58	8·60	4·13	·57	28·91	·22	·67	35·39	...	...	
	Delhi ...	Do. ...	·96	·51	·74	·37	·69	3·27	3·37	8·50	6·95	4·52	·51	23·85	·07	·36	27·55	77·1	29·06	
	Almora ...	N.-W. P. ...	1·91	1·88	1·79	·98	2·29	8·85	5·91	9·69	8·13	4·66	·96	29·35	·19	·63	39·02	...	...	
	Meerut ...	Do. ...	·97	·73	·73	·40	·82	3·55	3·57	9·24	7·18	3·99	·47	24·55	·05	·33	28·48	75·6	29·03	
	Agra ...	Do. ...	·53	·28	·23	·16	·72	1·92	2·86	9·80	6·67	4·32	·42	24·07	·02	·24	26·25	78·9	29·24	
	Etawah ...	Do. ...	·47	·19	·40	·14	·47	1·67	2·66	8·63	8·31	4·72	1·06	25·38	·08	·27	27·49	...	...	
	Cawnpore ...	Do. ...	·68	·43	·24	·14	·48	1·97	3·46	9·70	8·84	4·82	1·22	28·04	·06	·23	30·30	...	...	
	Jhansi ...	Do. ...	·52	·19	·39	·13	·26	1·49	4·04	13·59	10·48	5·16	·77	34·04	·02	·22	35·77	79·4	28·93	
	Lucknow ...	Oudh ...	·84	·25	·28	·13	·90	2·40	4·97	10·81	10·37	7·12	1·36	34·63	·01	·52	37·56	78·3	29·42	
	Jeypore ...	Rajputana ...	·27	·16	·18	·20	·66	1·47	3·29	9·01	6·12	3·15	·24	21·81	·08	·41	23·77	76·9	28·37	
	Ajmere ...	Do. ...	·21	·30	·38	·09	·72	1·70	2·48	6·93	7·30	3·43	·32	19·46	·12	·27	22·55	74·4	28·21	
	Beawar ...	Do. ...	·22	·12	·15	·10	·42	1·01	2·12	7·58	5·99	2·98	·22	18·89	·15	·20	20·25	..	...	
	Oodeypur ...	Do. ...	·01	·17	·04	·04	·57	·83	2·55	8·79	7·50	6·56	·62	26·02	...	·04	26·89	...	...	
	Neemuch ...	Central India	·10	·15	·11	·08	·54	·98	3·89	11·24	10·44	5·53	·96	32·06	·03	·24	33·31	75·3	28·17	
	Indore ...	Do.	·36	·26	·02	·13	·61	1·38	6·81	10·35	7·75	8·07	1·17	34·15	·15	·20	35·88	74·2	28·00	
	Bhopal (Schore).	Do.	·55	·14	·06	·03	·31	1·09	6·56	18·41	11·89	9·22	1·42	47·50	·25	·61	49·45	...	...	
	Rewah ...	Do.	·69	·86	·21	·31	·52	2·59	9·66	18·45	15·24	6·89	2·05	52·29	·23	·42	55·53	...	...	
	Patna ...	Bengal ...	·65	·48	·33	·27	1·55	3·28	7·06	11·03	10·10	7·95	2·90	39·04	·21	·17	42·70	...	...	
	Dacca ...	Do. ...	·27	1·02	2·50	5·80	9·21	18·80	13·34	12·83	12·39	10·16	5·20	53·92	·65	·22	73·59	78·2	29·61	
	Calcutta (Chowringhee) ...	Do. ...	·37	1·49	1·12	1·19	5·17	9·34	11·48	12·93	14·51	10·29	4·32	53·53	·14	·65	63·66	78·0	29·79	Port.
	Calcutta (Alipore Obsy.)	Do. ...	82	1·27	1·13	1·49	5·95	10·06	10·06	12·86	13·85	9·93	3·67	50·37	·29	·72	61·44	77·8		

BOMBAY.

Table No. 12 gives the weekly receipts at Bombay Port since 1877 in thousands of bales.

No. 13 the weekly shipments to Europe in the same period.

No. 14 gives the quantity of Cotton afloat in Harbour at the close of each week since 1881.

No. 15 is a register of the current quotations at the close of each week (Thursdays) for 3 months' sight credit Bills on London and Paris since 1886. In 1885 and previously the rates quoted are for 4 months' sight Bank Bills on London and 3 months' sight on Paris.

No. 16 is a similar register of the rates of freight from Bombay to Liverpool and Havre *via* Canal for Cotton. The freight is payable at ports of destination in sterling per ton of 40 cubic feet, the measurement being ascertained prior to shipment and entered on the Bills of Lading.

Table No. 17 records the rainfall of each month and year since 1843 at Colaba Observatory, Bombay. Except during the South-West monsoon, the rains of which usually set in about 10th June and last till the beginning or middle of October, very little rain falls. From November to May inclusive the total gauged averages but 1·77 inches, while from June to October inclusive 73·13 inches is the average of past years. In the 46 years ending 1888 rain was recorded in January in but 12 years, in February, March and April in but 9 years, in May in 27 years, in November in 23 years, and in December in but 7 years. In table No. 18 we have arranged the falls of the 46 years in five divisions of "Very Light," "Light," "Average," "Heavy" and "Very Heavy." Twice only have 100 inches and over been recorded, *viz.*, in 1849 (114·89 inches) and in 1878 (112·77 inches), and twice only has the fall been less than 42 inches, *viz.*, in 1871 (40·58 inches) and 1855 (41·18 inches). The greatest fall recorded in one month was in July 1849, when 50·99 inches fell, and the greatest in one day, midnight to midnight, was 16·10 inches on the 18th June 1886. In the 46 years the driest June was in 1885 (5·11 inches), the wettest in the following year (43·45 inches); the driest July in 1871 (9·96 inches), the wettest, as just stated, in 1849; the driest August in 1855 (3·82 inches) and the preceding year (3·90 inches), and the wettest in 1865 (36·42 inches); the driest September in 1848 (2·32 inches), and the wettest in 1875 (31·76 inches), and the driest October in 1845, 1853, 1864, 1875 and 1876, when no rain fell, and the wettest in 1883 when 10·40 inches were recorded.

Table No. 19 gives the earliest record we have met with of the receipts of Cotton at Bombay by Sea and the districts from whence they came from January 1834 to December 31, 1846. The annual average of the 13 years is 275,074 bales of 3½ cwts. each, the present weight of a Bombay bale. Similarly table No. 20 gives the exports in the same period. The annual average is 299,244 bales, showing that over 24,000 bales per annum reached the Island by Land, over the Sion causeway.

Table No. 21 shows the quantity received at the Port by Sea and Rail since 1875, distinguishing the Imports by Sea, by Great Indian Peninsula Railway, and by the Bombay, Baroda and Central India Railway.* These returns will be found to differ somewhat from the Government ones, as since 1883 the Chamber of Commerce has deducted 3 per cent. for tare on receipts by Rail, whereas Government take off 5 per cent.

* Since this was written the Government of India have agreed to reduce the deduction for tar to 3 per cent, from the commencement of the next official year (April 1st, 1890).

Table No. 22 being from official records, the returns are for the official years ending 31st March. It is interesting as showing the Receipts at Bombay Port in recent *official* years from the various provinces in India.

Tables Nos. 23, 24 and 25. In these we have endeavoured to compile somewhat similar returns shewing the provinces in which Calcutta, Kurrachee and Madras compete with Bombay, but the quantities given are for *Calendar* years.

Table No. 26 gives the Receipts half-yearly and yearly of each growth or description of Cotton received since 1874. In the 15 years to the end of 1888 the total receipts of—

Hinghunghat had been 263,000 bales, being an average of 17,500 bales per annum. In the last 5 years the average has dropped to 12,000 bales. Though we estimate an average crop at 65,000 bales, the bulk is taken by the Central Provinces and N.-W. Province mills, and in a few years, unless the area under cultivation increases, as the Bengal-Nagpore Railway extends, little if any of this growth will be exported.

Oomras.—Though this growth is now divided into three sub-divisions in Liverpool—of "Oomras," "Khandeish" and "Belatee"—the distinguishing land-marks to Bombay are the districts of production. The Berars produce the largest quantity, and the receipts in the past five years have averaged 245,000 bales, but in the first six months of 1889, 347,000 bales were delivered in Bombay, the crop being the largest on record. The average despatches from Khandeish in the same period were 219,000 bales and in the first six months of 1889, 347,000 bales, while from Barsee and Ahmednugger the average is 83,000 bales, but the six months' figures this year were no less than 149,000 bales. The total receipts of Oomra descriptions in the 15 years ending 1888 reached a total of 7,714,000 bales or an annual average of 514,200 bales. This year, to 30th June, as much as 739,000 bales had been received.

Dholleras.—In the last fourteen years 5,465,000 bales, or 390,000 bales per annum, reached Bombay, while to 30th June 1889 but 294,000 bales had been imported. In the four years ending 1884 the receipts averaged 553,000 bales annually, but dropped in the next four to an average of but 352,000 bales, partly due to unfavourable seasons, but principally to the up-country mills retaining each year a larger quantity of this Cotton.

Broach.—Virtually the whole of this Cotton is received in Bombay in the first six months of the year, and we therefore take this year's receipts into account. In 15 years 2,124,000 bales have come to Bombay, an annual average of 141,600 bales. This year's (1889) receipts to 30th June were 141,000 bales.

Coomptas and Dharwars.—Both being received from the same district, it has so far been found impossible to separate the receipts, but the acreage returns indicate that while an average crop of the former is about 125,000 baless not more than 35,000 bales of the latter are usually produced. Coupled, in the last five years, 653,000 bales have reached Bombay, an average of 130,600 bales yearly.

Westerns.—The produce of Madras and parts of Bombay and the Nizam's territory, we estimate an average crop at 175,000 bales, of which less than 25,000 bales now, as a rule, reach Bombay, though the average of the last 5 years is 32,000 bales.

Bengals.—Of this short stapled variety more is produced than of any other growth in India. It is hardier than the majority, while the outturn per acre is larger. In an average year fully 770,000 bales are produced in the Punjab, North-West Provinces and Oudh, Bengal, Central India and in the greater part of Rajputana, while in the last six years about 1,263,000

bales, an annual average of 210,000 bales have reached Bombay, though in the first six months of 1889 over 237,000 bales were received.

Sind.—We estimated the yearly yield at about 30,000 bales, while the despatches from Kurrachee to Bombay alone average, of late years, 36,000 bales. But the Punjab sends a good deal of her produce to Kurrachee, hence the larger exports from the chief port of Sind.

Persian.—The imports of this growth are increasing, the receipts in recent years averaging 15,500 bales.

Table No. 27 gives the monthly Receipts at Bombay in thousands of bales since 1870, while

Table No. 28 gives the monthly Exports to Europe, distinguishing the despatches to Great Britain and the Continent of Europe, since 1876.

Table No. 29 gives the exports to Great Britain; the despatches to "Ports of call," "for orders;" those to the Continent direct; to China and the Straits; to Calcutta and other Indian ports, and the total to all ports from 1834, except during the years 1847 to 1852, for which we have not so far been able to get the figures. It was not till 1861 that over a million bales were shipped to all ports, and not till 1865 that the million was exceeded to Europe. In that year, and again in 1867 and 1868, over a million bales went to Great Britain, the shipments to the Continent in 1865 being only 36,000 bales, increasing in the two latter years to 71,000 and then to 147,000 bales. In 1869 the relative despatches to United Kingdom and Continent were 945,000 and 174,000 bales, but in the following year, the first after the opening of the Canal, while the United Kingdom total dropped to 828,000 bales, the Continental proportion was still smaller, *viz.*, 116,000 bales. In 1871 the direct trade with the Continent rose to nearly 240,000 bales; two years later 300,000 bales were exceeded, and in the next five the average exceeded 400,000 bales, in 1877, for the first time, the Continental shipments exceeded those to Great Britain, a supremacy which has been more than maintained ever since, with a single exception (1882). How the opening of the Suez Canal has changed the route and thereby affected the position of England as the largest importer of Surats is best seen in table No. 30. In the thirteen years, 1834 to 1846, the total quantity shipped from Bombay to all ports was 3,982,527 bales of an average weight of 3 cwts. 1 qr. 7 lbs. (371 lbs.)

	Total bales.	Annual average.
To Great Britain	1,951,478	150,114
„ Foreign Europe	9,613	740
„ China	1,971,140	151,625
„ Singapore	33,533	2,580
„ Calcutta	6,352	487
„ Elsewhere	10,431	802
Total....	3,982,527	306,348

showing that at this period China was apparently the largest consumer, but a reference to Table No. 20 shows that though more *bales* went to China than to Great Britain, the actual *weight* of Cotton sent East was smaller than to U. K. by nearly 8,000 bales (of 392 lbs.) per annum. The Cotton Committee which sat in March 1847, with Sir Bartle Frere as its President, pointed out that the existing export duty was the cause of the declining trade. The duty in question amounted to nine annas per Indian maund, or 12¼ annas per cwt., or Rs. 5-5-9 per candy [Rs. 2-10-10½ per bale of 3½ cwts.] which had been fixed twelve years before by a Calcutta Customs Committee, with a view, as it was understood, to represent an *ad valorem* duty of 3 per cent. The result was most unfortunate, for from that day prices steadily declined till in 1847 Sir Bartle Frere's Committee wrote that it amounted to 7 to 10

per cent on its market value. "We are aware of Broach Cotton having been delivered here within the last three months at Rs. 67 per candy and of Barsee Cotton having been offered at Rs. 55," prices upon which the duty was a charge of 8 and 10 per cent. respectively. In March and April 1889, 42 years later, the best Broach and Barsee growths were sold in Bombay in full pressed bales at Rs. 240 to 252 and Rs. 215 to 225, respectively, per candy. Cotton exported in a foreign bottom paid double duty. The trade with China fluctuated a good deal afterwards, but as late as 1860 over 200,000 bales went from Bombay to the Celestial Empire, while Great Britain took 475,000 bales and the Continent 17,000 bales. During the American war in 1863 and 1864 not only was Surat Cotton exported to America, but Bombay imported Cotton from China. The erection of Spinning and Weaving Mills in Bombay after this began to affect the shipments to China, which in the last quarter of a century has never exceeded 61,000 bales (1884) and been as low as 13,600 bales (1888). Calcutta now takes annually from Bombay 30,000 to 36,000 bales or about half of the yearly consumption of her mills.

Table No. 30 shows the total quantity of Cotton exported to the United Kingdom and to the Continent of Europe in the first six months and in the whole year. Between January 1 and June 30 only in six years,—1874 and 1875, 1882, 1883 and 1884 and this year (1889)—have a million bales been shipped, but it must be borne in mind that prior to 1883, Cotton sent to Bombay for transhipment was included in the Bombay returns. The half-years shipments in 1882, the largest on record (1,235,000 bales), contained over 25,000 bales, but excluding them the total still exceeds any previous or subsequent year, and is likely to continue to be the record one as the local mills annually take increased quantities.

Table No. 31 gives the total shipments to Europe in each *season*, *i.e.*, from July 1 in one year to June 30 in the next one.

Table No. 32 gives the receipts, exports and mill consumption in each *season* for some years back in thousands of bales. The one just closed (30th June 1889) shows the largest figures and has only once before been approached. It is interesting to compare the two :—

Year ending 30th June.	Receipts.	Exports.	Mill consumption.	Total Exports and Mill consumption.
1882.....	1,832	1,608	277	1,885
1889.....	1,851	1,332	565	1,897
1889.....	+19	—276	+288	+12

In table No. 33 a comparison is made between the monthly and annual rainfall returns of Bombay in each of the last nineteen calendar years, also the receipts of Cotton monthly and the total in each season subsequently, from November 1 to October 30. 1878 was the wettest year of the series, and coming as it did after drought and intense famine in the southern parts of the Presidency; throughout Madras, Mysore and the Nizam's Dominions; simultaneously with famine in the N.-W. Provinces and Cashmere and scarcity in the Punjab, the receipts in the year ending October 1879 were the smallest recorded for a considerable number of years. In the previous one the *annual* rainfall closely approximated the average, but the June one was as unusually heavy as that of July was small, and coupled with the famine just referred to, the receipts in Bombay were only 976,000 bales. On the other hand, the receipts in the season 1881-82 were up to that time unprecedentedly large, *viz.*, 1,824,000 bales. If we compare them with the local rainfall return of the preceding monsoon of 1881, it will be seen what a favorable season it was.

The total fall in June and July was 44·76 inches against an average of 45·46 inches, while in August and September 23·62 inches were recorded as compared with an average of 25·86 inches. But the present season (1888-89) has produced the largest crop in Western and Central India, judged from the receipts to the end of July. The rainfall in 1888 was unusually light (57·84 inches in Bombay) all over the country and virtually ceased in September. The cold weather rains were also exceptionally small and therefore favorable, and no cold cutting winds were experienced in December to February. Cotton requires a very moderate amount of moisture in India, and with a fair start and light rains, while growing, and dews without rain when approaching maturity a good crop may be anticipated.

Table No. 35 shows the quantities despatched in the first six months of each year, and in the whole year from Bombay to Europe, distinguishing the Cape from the Canal shipments from 1868 to the present year. The first steamer to leave Bombay, homeward bound *via* the Canal, was the "Asie" (s.s.) for Marseilles on December 24, 1869, so that virtually the whole of the shipments to Europe in 1868 and 1869, other than in sailing ships *via* the Cape of Good Hope, were conveyed overland from Suez to Alexandria. In the former year 7·1 per cent. was thus conveyed, but in the latter it rose to 20·2 per cent. In 1870, 38·2 per cent. went to Europe *via* the Canal, but in the succeeding one the proportion dropped to 36·3 per cent. In 1872, however, the Canal shipments passed those *via* Cape in quantity, the proportion being 65·6 per cent., and ever afterwards the despatches in sailers dropped off annually till in 1888 only 1,100 bales left *via* the Cape, and this year not a bale.

Table No. 36 gives the total number of bales shipped to each port and country in Europe in each *calendar year* since 1876.

Table No. 37 gives similar information for each half-year and each calendar year since 1881, while

Table No. 38 gives the total for each *season* ending 30th June, the exports in the last six months of one year being added to those of the first six months of the following one. Though the clearances for Great Britain as compared with the Continent have decreased so much since the Canal opened, Liverpool is still the principal importing port, Antwerp and Trieste being next in order, followed by Havre and Genoa. Antwerp has risen quicker to the front than any other, and Hamburg looks like following in her steps.

In table No. 39 we endeavour to show the stock held in Bombay both by the bazaar dealers and mill-owners at the close of each season in June. The receipts and the shipments are from the Bombay Chamber of Commerce returns and the mill consumption from those of the local Mill-Owners' Association. The bazaar stock is from the estimate made each June by the dealers, but the mill stock is estimated from the returns made in a single year by the mill-owners. At the end of June 1889 the total stock in both the bazaar and held by the mills was just about equal to half the consumption of the mills in 1888-89, and 65,000 bales under the average holdings of the previous ten years.

Table No. 34 shows the quantity of Cotton despatched between 1st January 1865 and June 30, 1869, from Bombay by the overland route up to less than six months of the opening of the Suez Canal.

No. 12.

Weekly Receipts of Cotton at Bombay.

In Thousands of Bales.

Week ending Thursday.	1890.	1889.	1888.	1887.	1886.	1885.	1884.	1883.	1882.	1881.	1880.	1879.	1878.	1877.
January 3	..	36	28	40	25	16	47	29	28	23	17	11	26	24
„ 10	..	45	21	42	29	21	36	34	41	25	16	12	26	24
„ 17	..	59	26	43	33	21	44	37	41	26	18	15	29	15
„ 24	..	67	39	40	42	27	36	38	44	23	27	16	31	20
„ 31	..	75	43	43	39	26	34	46	47	26	27	18	27	24
February 7	..	73	41	36	35	27	40	55	50	30	36	22	38	28
„ 14	..	69	43	42	39	33	39	66	59	35	38	25	37	45
„ 21	..	89	60	46	50	30	42	68	50	34	40	22	41	33
„ 28	..	80	54	47	53	36	46	64	61	44	39	28	48	43
March 7	..	78	56	51	41	25	48	72	59	38	43	19	35	55
„ 14	..	77	57	47	59	38	53	76	76	45	48	37	40	62
„ 21	..	79	61	61	63	35	60	77	79	53	48	35	33	56
„ 28	..	60	73	76	53	40	73	73	86	43	48	41	36	65
April 4	..	72	64	79	56	35	69	66	75	55	52	44	37	65
„ 11	..	67	69	81	66	52	83	71	82	51	58	38	33	63
„ 18	..	73	67	86	76	46	88	79	82	67	60	44	36	58
„ 25	..	69	68	83	70	54	97	79	72	59	55	51	29	45
May 2	..	65	57	70	70	57	73	78	72	49	50	50	30	57
„ 9	..	62	71	71	71	58	88	68	64	55	60	45	27	43
„ 16	..	63	54	82	84	60	94	72	82	43	62	35	35	34
„ 23	..	53	55	58	74	69	75	69	86	89	49	35	36	31
„ 30	..	55	40	63	71	58	81	71	63	46	43	27	32	32
June 6	..	49	33	47	41	39	61	50	33	40	24	22	31	15
„ 13	..	31	26	32	29	23	42	25	30	34	23	20	19	10
„ 20	..	33	20	23	23	18	25	12	18	18	15	13	12	5
„ 27	..	26	13	17	11	10	11	9	19	20	10	7	5	3
July 4	..	17	12	16	9	8	6	4	15	12	7	7	5	2
„ 11	..	16	12	10	8	4	6	5	10	8	7	5	4	4
„ 18	..	10	6	6	8	2	5	2	7	6	8	4	2	2
„ 25	..	9	6	7	8	2	4	4	8	8	7	4	3	2
August 1	..	6	2	3	7	2	5	5	6	6	8	3	2	2
„ 8	..	8	4	4	8	1	5	3	7	10	8	2	3	1
„ 15	..	6	4	4	7	2	5	4	7	4	7	2	2	1
„ 22	..	5	4	3	6	1	3	3	11	4	4	3	2	1
„ 29	..	7	3	2	4	2	3	2	6	3	5	3	2	..
September 5	..	4	3	4	3	2	3	4	5	7	2	5	2	1
„ 12	..	4	3	4	4	1	3	4	4	3	1	7	3	1
„ 19	..	2	1	4	5	3	3	5	5	5	2	7	5	2
„ 26	..	5	3	6	5	4	4	7	3	8	3	7	2	2
October 3	..	2	3	8	5	1	3	7	5	5	3	10	2	3
„ 10	..	3	4	8	6	3	6	11	6	10	6	5	3	3
„ 17	..	3	3	7	3	6	6	11	6	11	8	7	4	5
„ 24	..	7	3	8	4	3	5	11	7	15	4	4	4	5
„ 31	..	10	3	10	9	6	6	12	9	12	6	6	4	7
November 7	..	13	4	7	9	5	6	14	8	15	6	4	5	6
„ 14	..	17	6	7	11	9	6	20	15	19	9	4	7	6
„ 21	..	28	12	8	20	14	9	18	14	19	10	7	6	11
„ 28	..	37	17	10	24	19	12	26	14	21	14	8	8	12
December 5	..	36	20	16	27	18	16	28	20	30	17	9	6	13
„ 12	..	..	27	18	30	19	22	30	24	35	18	..	..	..
„ 19	..	..	38	25	33	17	16	23	30	28	16	19	9	9
„ 26	..	..	39	26	32	18	17	30	27	34	16	11	13	24
Year with corrections.	..	..	1,494	1,634	1,609	1,135	1,664	1,785	1,757	1,378	1,220	884	936	1,108

No. 13.

Weekly Shipments (Clearances) of Cotton to Europe from Bombay.

In Thousands of Bales.

Week ending Thursday.	1890.	1889.	1888.	1887.	1886.	1885.	1884.	1883.	1882.	1881.	1880.	1879.	1878.
January 3	..	6	4	19	15	14	19	18	29	1	3	..	6
„ 10	..	23	33	21	6	19	13	20	28	15	13	9	13
„ 17	..	32	6	12	10	9	47	19	27	1	8	3	18
„ 24	..	25	14	30	19	6	23	50	38	19	24	20	17
„ 31	..	55	19	17	38	18	32	22	31	40	10	7	25
February 7	..	64	15	34	23	15	10	24	37	16	23	13	7
„ 14	..	48	42	26	12	8	21	14	22	5	27	12	26
„ 21	..	48	16	29	43	18	55	76	79	44	16	20	32
„ 28	..	32	22	23	50	44	45	55	45	29	48	10	37
March 7	..	98	46	43	27	16	18	59	41	32	6	27	17
„ 14	..	36	36	13	16	19	34	25	40	16	22	1	32
„ 21	..	45	29	33	71	29	37	59	84	28	57	31	23
„ 28	..	67	43	51	14	34	69	82	77	40	13	15	45
April 4	..	72	42	68	62	29	72	31	49	34	26	42	46
„ 11	..	65	46	47	47	22	42	73	52	18	47	35	45
„ 18	..	50	43	64	33	32	74	29	39	56	49	30	19
„ 25	..	44	26	57	33	33	95	83	93	56	89	42	19
May 2	..	70	36	60	59	50	45	73	36	38	27	12	20
„ 9	..	47	32	38	19	38	34	92	79	14	30	46	32
„ 16	..	26	44	49	54	40	78	38	64	56	61	41	7
„ 23	..	77	43	65	61	18	26	63	60	34	69	9	21
„ 30	..	50	31	79	60	67	52	25	44	24	26	50	51
June 6	..	28	42	39	68	47	41	63	31	22	29	17	29
„ 13	..	29	22	42	17	11	20	20	42	46	33	10	12
„ 20	..	8	8	2	25	3	27	28	37	12	7	26	11
„ 27	..	11	14	20	21	15	21	44	17	26	12	4	11
July 4	..	3	5	28	6	21	7	12	17	19	10	1	9
„ 11	..	14	10	11	5	..	6	..	6	6	15	7	19
„ 18	..	4	3	14	17	2	10	3	14	10	2	3	9
„ 25	..	1	6	3	4	..	6	21	9	18	15	15	9
August 1	..	5	10	12	11	9	8	6	17	12	3	7	2
„ 8	..	7	..	..	5	4	1	2	4	3	3	6	1
„ 15	..	2	..	3	18	..	5	3	5	14	2	2	10
„ 22	..	4	4	3	4	1	..	..	4	8	5	6	4
„ 29	..	1	2	4	2	5	9	6	17	6	1	3	8
September 5	..	7	2	4	4	4	1	2	5	6	1	3	6
„ 12	..	4	3	1	4	..	4	5	5	8	1	6	2
„ 19	..	..	7	2	3	1	..	8	9	..	1	..	1
„ 26	..	2	5	1	3	2	8	6	6	7	6	6	5
October 3	..	4	2	3	6	3	7	8	10	6	3	..	1
„ 10	..	6	4	3	4	2	2	4	2	5	4	4	4
„ 17	..	3	3	2	3	..	1	9	7	8	1	1	3
„ 24	..	4	5	5	1	1	6	13	17	7	7	5	5
„ 31	..	5	1	3	6	5	5	6	4	12	3	3	3
November 7	..	9	2	8	1	..	1	4	4	13	2	3	1
„ 14	..	4	6	3	4	1	8	10	6	12	2	..	1
„ 21	..	2	10	1	2	1	1	5	6	14	3	6	3
„ 28	..	4	2	4	8	12	20	24	14	20	13	4	1
December 5	..	25	14	10	6	3	7	13	5	9	10	11	2
„ 12	..	..	9	3	11	7	11	27	17	23	1	5	..
„ 19	..	..	8	4	11	1	7	11	6	13	15	..	..
„ 26	..	..	8	6	10	17	8	23	8	17	6	3	7
Year with corrections	..	..	887	1,112	1,073	742	1,231	1,336	1,462	1,003	922	642	727

No. 14.

Weekly Statement of Cotton Afloat in Bombay Harbour.
In Thousands of Bales.

Week ending Thursday.	1890.	1889.	1888.	1887.	1886.	1885.	1884.	1883.	1882.	1881.
January 3	..	20	21	13	6	14	17	13	12	2
„ 10	..	19	5	12	13	5	32	12	21	8
„ 17	..	13	9	21	23	7	14	32	29	8
„ 24	..	37	16	14	33	15	21	19	20	28
„ 31	..	31	24	31	21	13	10	22	29	31
February 7	..	16	25	22	21	15	22	20	27	9
„ 14	..	21	15	20	38	22	46	58	61	17
„ 21	..	28	23	18	32	30	27	44	48	37
„ 28	..	64	32	32	27	8	18	54	48	32
March 7	..	25	24	15	26	11	29	33	56	28
„ 14	..	34	22	31	52	11	37	70	81	27
„ 21	..	43	31	51	22	13	73	69	65	39
„ 28	..	39	36	60	60	22	76	62	49	57
April 4	..	36	35	43	39	21	55	63	55	55
„ 11	..	27	35	53	31	27	73	54	62	51
„ 18	..	35	28	48	43	16	62	92	89	61
„ 25	..	41	28	55	59	51	39	85	58	59
May 2	..	40	29	52	50	38	44	83	73	49
„ 9	..	30	34	61	74	29	78	37	52	45
„ 16	..	57	33	65	64	21	60	57	52	49
„ 23	..	31	23	68	62	53	70	55	78	31
„ 30	..	25	40	49	58	31	40	59	65	41
June 6	..	18	15	31	24	13	23	31	65	51
„ 13	..	7	8	14	31	12	16	24	46	53
„ 20	..	11	20	25	15	14	11	26	19	35
„ 27	..	10	5	25	7	14	10	3	19	45
July 4	..	12	6	10	6	..	8	3	11	29
„ 11	..	3	2	3	8	2	6	5	9	19
„ 18	..	1	2	2	2	2	4	16	7	19
„ 25	..	3	6	5	7	5	3	3	10	17
August 1	..	3	..	..	5	2	..	2	..	13
„ 8	..	..	..	3	11	..	1	2	..	7
„ 15	..	2	2	3	2	..	1	..	2	11
„ 22	..	1	1	4	2	1	4	3	10	7
„ 29	..	5	2	2	4	1	2	..	1	8
September 5	..	2	3	2	2	..	2	..	3	8
„ 12	..	..	3	2	2	..	1	6	1	7
„ 19	..	2	4	1	1	1	3	4	3	7
„ 26	..	3	1	3	5	2	5	5	5	9
October 3	..	5	1	2	3	..	1	1	2	5
„ 10	..	1	3	3	2	..	..	6	6	..
„ 17	..	4	3	5	1	..	2	6	10	4
„ 24	..	7	1	2	6	4	7	2	3	3
„ 31	..	6	2	4	1	..	3	1	3	11
November 7	..	2	5	1	3	..	5	7	2	3
„ 14	..	2	4	2	2	..	1	8	2	5
„ 21	..	4	2	5	4	3	13	19	10	7
„ 28	..	15	7	6	6	2	7	11	2	8
December 5	..	3	1	10	7	4	6	19	7	7
„ 12	..	..	3	2	12	3	3	6	4	11
„ 19	..	..	6	6	17	15	4	11	12	7
„ 26	..	..	10	15	20	13	14	15	5	16

No. 15.

Weekly Quotations of Exchange at Bombay.

3 Months' Sight Credits on London and Paris.

Week ending Thursday.	1890.		1889.		1888.		1887.		1886.		1885.		1884.		1883.	
	London.	Paris.	London.	Paris.	London.	Paris.	London.	Paris.	London.	Paris.	London.	Paris.	London.	Paris.	London.	Paris.
January 3..	..	..	1/4	1·75½	1/5	1·81½	1/6	1·90½	1/6	1·89½	1/7	2·06	17	2·09	1/7	..
„ 10..	..	..		·76		·82		·92		·91		·06		·05¼		2·06
„ 17..	..	..		·77		·81		·93		·91¼		·05¾		·09¼		·05
„ 24..	..	..		·76½		·80¾		·94		·91½		·05¼		·09½		·06
„ 31..	..	..		·77½		·79¾		·93	1/5	·89		·04	„	„		·07
February 7..	..	..	„	·77¼		·80		·91	1/6	·90		·04		·09		·06
„ 14..	..	..	„	·77	1/5	·79½		·91½		·91½		·04¼	1/8	·10½		·06
„ 21..	..	..	„	·77¼	1/4	·80	1/5	·89½		·91½		·01		·12½		·07
„ 28..	..	..	„	·77½		·79		·87		·91		·03½		·11¼		·09
March 7..	..	..		·76½		·78		·87¼		·91		·03		·11½		·09
„ 14..	..	..		·76½		·76½		·86¾		·91		·03½	1/7	·10¼		·09
„ 21..	..	..		·76½		·75¾		·82¼		·91		·04¼		·09½		·08½
„ 28..	..	..		·75½		·75¼		·82½		·91		·03¾		·08½		·09
April 4..	..	..		·74		·74	1/5	·79½	1/6	·90		·03		·09½		·08
„ 11	..	..		·73½		·74½		·83½	1/5	·89		·03	1/8	·10		·07
„ 18..	..	.	„	·73¼		·74		·81		·88¾		·05¼		·11½		·06¾
„ 25..	..	..		·73		·73½		·82¼		·88¾		·05¼	„	·11¾	„	„
May 2..	..	..		·72	„	„	1/5	·79¼		·86½		·08		·10¾		·07½
„ 9..	..	..		·72½		·72½	1/4	·79		·85¾		·07½		·12		·06½
„ 16..	..	..		·73		·71¼	1/5	·79		·84		·04¾		·11		„
„ 23..	..	..		·73½		·71½	1/4	·78		·86½		·02¼		·12½		·07
„ 30..	..	..		·71		·71	1/5	·79½		·83		·03½		·11¾	„	„
June 6..	..	..		·71½		·71¾	1/4	·78¾		·86½		·02	1/8	·10¾		·06¾
„ 13..	..	..		·70¾	„	·71¼	1/5	·79½		·85½		·01½		·11		·06½
„ 20..	..	..		·71½		·71	1/5	·79¼		·85		·01½	1/7	·10½		·07½
„ 27..	..	..	„	·71¼		·71½	1/5	·79½		·83½	1/6	·00½		..		·10
July 4..	..	..	„	·71½		·70¾		·79¾		·81½	1/7	·01	„	·10¾		·08
„ 11..	..	..		·72½		·71½		·79½	1/4	·77¾	1/6	·00¼		·08¾		·08½
„ 18..	..	..		·71¾		·71		·81	1/5	·79¼		·00		·08¼		·07¾
„ 25..	..	..		·73		·71¼		·80	1/4	·77		·00½	„	·08¼	„	„
August 1..	..	..	„	„		·71½		·80¾		·77¼		·00¾		„		·08¾
„ 8..	..	..		·72½	„	„		·80¾		·74	1/7	·01		·08½		·08½
„ 15..	..	..		·72¾	„	·72¼		·82¼		·72½	1/6	·00	„	·08¼	„	·08½
„ 22..	..	..		·73½	„	„		·84½		·75½		1·98½		„		·09¾
„ 29.	..	..		·74½	„	„		·83¾		·75¼		·98¼		„	„	„
September 5...	..	..		·74½		·73		·84	(a)	(a)		·96		·07		·09¼
„ 12..	..	..		·74¾		·77½		·83	1/5	·80½		·94½	„	·07¼		·09
„ 19..	..	..	„	„		·78¾		·82½		·80¾		·95½		·07¾	„	„
„ 26..	..	..		·75		·76¼		·83		·84		·95		·08		·09¾
October 3..	..	..	„	„		·77		·82½		·83½		·93¾		·08¼	„	·09½
„ 10..	..	..		·75¼		·76½	1/5	·79¾		·86		·94		·07¼	„	„
„ 17..	..	..		·76		·76		·81		·84½		·94¾		„	„	„
„ 24..	..	..		·76¼		·76½	1/5	·80		*		·94		„		·09¼
„ 31..	..	..		·78		·76	1/4	·79½		·88½		·94		·07		·08¾
November 7..	..	..		·78½		·77		·78¾	1/6	·91½		·94		·05¼		·08¼
„ 14..	..	..	„	„		·76½		·79		·92		·94		·04¾		·08½
„ 21..	..	..	1/5	·80		·77½	1/5	·79½	1/5	·89		·94		·05¼	„	·06¼
„ 28..	..	..		·80½		·76¾	1/5	·79¾		·86		·94		·05		·07¼
December 5..	..	..	„	„		·75¾		·81		·89		·93¾		·05¼		·08
„ 12..	..	..	..	..		·76		·82	1/6	·90¼		·91½		·04		·08½
„ 19..	..	..	..	..	„	·74½		·81½	1/5	·88½		·92		·04½	„	„
„ 26..	..	..	..	..	„	·75	1/5	1·83¼	1/6	1·90	1/6	1·91¼		·05		·08

(a) Unquotable.

In 1885 and previously the rates quoted were for 4 months' sight Bank Bills on London and 3 months' sight on Paris.

No. 16.

Weekly Freight Quotations, Bombay via Suez Canal to Europe.

TO LIVERPOOL AND HAVRE.

Per Ton of 40 cubit feet as measured in Bombay, payable at destination.

Week ending Thursday.	1890.		1889.		1888.		1887.		1886.		1885.		1884.		1883.	
	Liverpool.	Havre.	Liverpool.	Havre.	Liverpool.	Havre.	Liverpool.	Havre.	Liverpool.	Havre.	Liverpool.	Havre.	Liverpool.	Havre.	Liverpool.	Havre.
January 3..	..	..	25/	25/	17/6	17/6	20/	21/3	17/6	18/9	25/	25/	22/6	27/6	35/	35/
,, 10..	..	..	23/9	25/	,,	,,	,,	20/	18/9	17/6	27/6	27/6	,,	,,	32/6	32/6
,, 17..	..	..	,,	26/3	,,	18/9	17/6	,,	17/6	,,	27/6	27/6	,,	,,	,,	,,
,, 24..	..	..	22/6	27/6	,,	20/	18/9	,,	15/0	,,	,,	,,	,,	26/3	31/3	,,
,, 31..	..	..	25/	,,	18/9	,,	20/	,,	,,	,,	25/	,,	20/	,,	32/6	,,
February 7..	..	..	28/9	28/9	,,	18/9	,,	,,	17/6	18/9	27/6	,,	22/6	27/6	,,	,,
,, 14..	..	..	27/6	,,	,,	,,	21/3	21/3	18/9	,,	30/	28/9	23/9	25/	,,	,,
,, 21..	..	..	31/3	31/3	,,	20/	,,	,,	,,	20/	,,	32/6	20/	,,	37/6	,,
,, 28..	..	..	,,	,,	17/6	18/9	,,	,,	17/6	18/9	27/6	27/6	23/9	,,	35/	,,
March 7..	..	..	30/	28/9	,,	,,	22/6	22/6	18/9	20/	,,	,,	25/	26/3	,,	,,
,, 14..	..	..	,,	30/	18/9	20/	23/9	,,	21/3	21/3	26/3	,,	27/6	,,	36/3	37/6
,, 21..	..	..	27/6	28/9	20/	,,	22/6	,,	22/6	22/6	27/6	26/3	25/	,,	33/9	,,
,, 28..	..	..	25/	26/3	,,	21/3	21/3	21/3	,,	,,	26/3	27/6	,,	25/	,,	,,
April 4..	..	..	22/6	22/6	18/9	20/	23/9	22/6	21/3	21/3	25/	,,	22/6	22/6	,,	,,
,, 11..	..	..	21/3	,,	20/	21/3	22/6	,,	,,	,,	28/9	26/3	20/	20/	32/6	35/
,, 18..	..	..	,,	21/3	,,	,,	23/9	23/9	,,	,,	27/6	27/6	21/3	21/3	,,	,,
,, 25..	..	..	22/6	22/6	,,	20/	,,	,,	,,	20/	,,	28/9	,,	,,	31/3	,,
May 2..	..	..	20/	21/3	18/9	,,	26/3	25/	,,	21/3	30/	30/	25/	25/	33/9	33/9
,, 9..	..	..	17/6	17/6	20/	,,	,,	26/3	,,	,,	28/9	27/6	,,	27/6	32/6	,,
,, 16..	..	..	18/9	18/9	,,	,,	25/	25/	20/	,,	,,	30/	27/6	28/9	,,	,,
,, 23..	..	..	,,	,,	,,	,,	23/9	,,	,,	,,	,,	,,	,,	27/6	,,	,,
,, 30..	..	..	,,	,,	18/9	,,	25/	,,	,,	,,	26/3	30/	,,	,,	,,	,,
June 6..	..	..	21/3	21/3	,,	,,	,,	27/6	22/6	22/6	25/	26/3	,,	,,	27/6	32/6
,, 13..	..	..	,,	,,	20/	,,	23/9	26/3	,,	23/9	21/3	23/9	,,	,,	26/3	,,
,, 20..	..	..	22/6	,,	,,	,,	22/6	25/	,,	22/6	20/	25/	,,	25/	28/9	28/9
,, 27..	..	..	20/	20/	17/6	18/9	,,	23/9	20/	20/	20/	23/9	,,	30/	27/6	30/
July 4..	..	..	,,	,,	,,	,,	,,	22/6	,,	,,	,,	22/6	,,	,,	25/	,,
,, 11..	..	..	22/6	22/6	,,	,,	21/3	21/3	18/9	,,	,,	21/3	25/	27/6	20/	27/6
,, 18..	..	..	,,	,,	16/3	17/6	,,	,,	,,	,,	,,	,,	22/6	23/9	,,	25/
,, 25..	..	..	,,	23/9	,,	,,	18/9	18/9	20/	21/3	18/9	20/	,,	22/6	17/6	,,
August 1..	..	..	23/9	,,	20/	20/	17/6	17/6	22/6	23/9	,,	,,	,,	25/	18/9	30/
,, 8..	..	..	22/6	22/6	21/3	21/3	16/3	,,	,,	,,	20/	,,	,,	,,	22/6	28/9
,, 15..	..	..	21/3	,,	,,	,,	17/6	,,	23/9	,,	,,	,,	,,	,,	26/3	,,
,, 22..	..	..	23/9	25/	,,	,,	,,	,,	,,	25/	18/9	21/3	20/	,,	25/	27/6
,, 29..	..	..	,,	,,	,,	,,	,,	,,	,,	23/9	17/6	20/	17/6	27/6	23/9	28/9
September 5..	..	..	22/6	,,	25/	..	,,	,,	22/6	,,	,,	..	,,	22/6	,,	,,
,, 12..	..	..	,,	,,	,,	..	15/	,,	,,	,,	,,	21/6	20/	,,	21/3	30/
,, 19..	..	..	,,	23/9	,,	..	,,	16/3	,,	22/6	18/9	..	15/	,,	17/6	28/9
,, 26..	..	..	,,	,,	,,	26/3	,,	15/	20/	20/	,,	22/6	15/	,,	22/6	27/6
October 3..	..	..	,,	,,	30/	30/	12/6	,,	18/9	18/9	22/6	27/6	20/	,,	18/9	28/9
,, 10..	..	..	,,	22/6	,,	,,	,,	13/9	17/6	18/9	,,	25/	15/	20/	22/6	27/6
,, 17..	..	..	,,	,,	,,	,,	,,	,,	,,	,,	,,	23/9	13/9	17/6	20/	23/9
,, 24..	..	..	,,	,,	,,	,,	,,	,,	,,	,,	23/9	25/	17/6	22/6	,,	26/3
,, 31..	..	..	21/3	23/9	28/9	28/3	,,	,,	,,	,,	22/6	23/9	15/	17/6	,,	25/
November 7..	..	..	,,	22/6	,,	30/	15/	15/	16/3	16/3	,,	..	,,	22/6	,,	,,
,, 14..	..	..	,,	,,	,,	,,	16/3	16/3	17/6	17/6	,,	22/6	,,	20/	21/3	22/6
,, 21..	..	..	22/6	,,	27/6	28/9	,,	17/6	,,	,,	,,	,,	,,	,,	20/	21/3
,, 28..	..	..	21/3	,,	25/	26/3	17/6	,,	21/3	20/	,,	,,	18/9	17/6	18/9	22/6
December 5..	..	..	18/9	21/3	,,	27/6	,,	18/9	20/	,,	15/	21/3	22/6	22/6	20/	,,
,, 12..	..	..	..	..	27/6	28/9	20/	20/	21/3	22/6	16/3	18/9	,,	25/	22/6	,,
,, 19..	..	..	..	..	28/9	30/	,,	21/3	18/9	21/3	15/	20/	23/9	,,	25/	25/
,, 26..	..	..	..	..	27/6	28/9	17/6	17/6	,,	,,	13/9	21/3	25/	,,	23/9	26/3

No. 17.

Rainfall registered at Colaba Observatory, Bombay.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Total.
1843	...	...	...	...	·15	7·61	20·62	17·70	8·39	·77	...	...	55·24
1844	·06	·33	...	...	...	18·58	29·28	5·91	8 05	·40	...	·10	62·71
1845	...	...	...	...	...	17·88	18·07	9·54	8·63	...	...	...	54·12
1846	...	...	...	...	...	26·41	33·19	6·65	6·65	1·03	...	...	73·93
1847	·09	·02	...	·31	1·40	37·56	16·46	8·68	5·68	·28	5·53	...	76·01
1848	...	...	...	·59	5·67	39·98	13·90	7·87	2·32	5·84	·19	...	75·86
1849	·34	...	...	...	...	23·41	50·99	12·66	26·13	·75	·61	...	114·89
1850	...	...	...	...	...	14·80	20·15	5·39	4·77	4·89	·25	...	50·25
1851	...	...	...	...	·52	24·50	47·02	20·03	3·89	·04	·07	...	96·07
1852	...	...	...	·01	...	·30	21·76	22·17	11·16	12·67	·19	...	1·01	69·27
1853	...	...	·05	·02	...	...	33·70	13·05	5·95	9·83	...	...	...	62·60
1854	...	...	...	...	...	...	16·34	38·95	3·90	13·61	7·49	1·85	...	82·14
1855	...	...	...	...	...	...	20·18	11·83	3·82	5·29	·06	...	...	41·18
1856	...	...	...	...	...	2·09	24·66	24·48	6·73	7·78	·06	...	·12	65 92
1857	...	...	...	...	...	·57	9·26	8·74	15·71	14·21	2·78	...	...	51·27
1858	...	...	...	...	·15	1·57	14·44	20·12	7·48	15·47	3·22	...	...	62·45
1859	...	...	...	...	...	...	26·87	28·70	14·59	5·94	1·06	...	...	77·16
1860	...	...	...	...	...	·03	21·97	22·39	7·11	8·15	2·50	...	...	62·15
1861	...	...	...	...	...	·69	15·43	25·34	30·35	3·24	1·83	...	...	76·91
1862	...	...	...	...	...	·01	22·31	15·10	12·65	21·69	1·42	·45	...	73·63
1863	...	·41	...	...	·11	·07	23·41	30·78	10·60	9·98	2·32	...	...	77·68
1864	...	...	...	...	...	·01	15·42	13·36	10·72	5·59	...	·47	...	45·57
1865	...	·38	...	..	...	...	10·61	18·28	36·42	4·86	6·16	1·14	...	77·85
1866	...	...	·11	...	...	...	13·47	40·34	20·34	3·44	·74	...	...	78·44
1867	...	...	...	...	...	...	8·70	29·39	12·21	6·80	5·07	·13	...	62·30
1868	...	...	...	·01	...	...	13·52	20·43	20·29	7·71	·14	·02	...	62·12
1869	...	...	...	...	...	·03	26·22	23·89	15·24	22·56	3·55	·05	·12	91·66
1870	...	...	...	·03	·02	...	21·73	26·43	6·27	7·08	4·65	...	...	66·21
1871	...	2·22	...	...	...	1·25	8·91	9·96	8·95	6·01	·25	2·97	·06	40·58
1872	...	...	...	...	...	·06	24·43	24·84	9·49	16·59	1·07	...	...	76·48
1873	...	...	·05	...	...	·51	20·36	16·98	23·96	7·77	·07	...	...	69·70
1874	...	...	...	...	...	·05	18·68	41·24	11·14	11·05	·02	...	...	82·18
1875	...	·47	...	...	...	...	24·36	15·39	12·23	31·76	...	·35	...	84·56
1876	...	...	...	...	...	·01	12·97	23·69	8·66	4·68	...	...	...	50·01
1877	...	·22	·52	...	...	...	35·58	11·10	8·51	8·89	8·33	...	...	73·15
1878	...	·03	...	...	·02	·02	19·99	48·33	20·46	16·42	4·89	2·61	...	112·77
1879	...	...	...	·03	...	5·23	16·56	11·21	22·36	5·61	·49	...	...	61·49
1880	...	...	·01	·02	...	...	21·48	18·37	4·08	22·80	1·18	...	...	67·94
1881	...	...	...	·04	...	·36	15·29	29·47	19·06	4·56	4·17	·09	...	73·04
1882	...	...	·04	·02	·08	·02	27·54	26·94	3·36	10·08	1·12	·03	...	69·23
1883	...	·12	...	...	...	·33	13·65	39·88	12·57	12·37	10·40	·86	...	90·18
1884	...	·03	...	...	...	...	13·25	25·87	15·29	17·04	2·22	·60	1·14	75·44
1885	...	...	...	...	...	·02	5·11	21·81	25·42	12·01	3·54	...	...	67·91
1886	...	...	...	...	·01	·96	43·45	35·79	10·69	6·54	1·69	·61	...	99·74
1887	...	...	...	...	·02	·09	24·07	30·98	17·59	18·23	2·79	1·02	·16	94·95
1888	...	1·87	·02	·10	...	...	15·76	22·47	11·43	4·92	·11	1·16	...	57·84
1889	...	...	...	...	...	·67	19·89	30·45	10·32	2·71	3·80	...	...	...
							Colaba Observatory.						
Average.	·11	·02	...	·03	·54	20·79	24·67	15·08	10·78	1·81	·47	·60	74·90
							Byculla.						
Average.	·13	...	·01	...	·43	21·61	27·47	17·48	12·25	2·79	·06	·06	82·29

N.B.—The greatest fall in one day was 16·10 inches on the 18th June 1886, and the greatest fall in one month was in July 1849, when 50·99 inches were recorded.

No. 18.

Rainfall at Colaba Observatory, Bombay.

1843 to 1888.

Description.	Inches.	No. of years to 1888.	Years (January 1 to December 31).
Very Light ...	40 to 55	8	1843, '45, '50, '55, '57, '64, '71 and 1876.
Light	58 „ 63	8	1844, '53, '58, '60, '67, '68, '79 and 1888.
Average	66 „ 79	20	1846, '47, '48, '52, '56, '59, '61, '62, '63, '65, '66, '70, '72, '73, '77, '80, '81, '82, '84, and 1885.
Heavy	82 „ 97	7	1851, '54, '69, '74, '75, '83 and 1887.
Very Heavy ...	99 „ 115	3	1849, '78 and 1886.
		46	

No. 19.

Receipts at Bombay, January 1, 1834, *to December* 31, 1846.

(Weight in Thousands of lbs.)

Periods.	Guzerat.	Conkan.	Malabar and Canara.	Cutch and Sind.	All other Quarters.	Total. Thousands of lbs. (000's omitted.)	Cwts.	Value per Candy, Rupees.	Value in Lakhs.
January 1 to April 30, 1834.	22,851	5,477	1,620	48	60	30,058	268,373	98·10	37·61
1834-35	27,457	18,378	76,530	112	...	53,600	478,571	97·68	66·78
1835-36	37,730	23,314	13,060	808	535	75,448	673,640	111·42	107·22
1836-37	74,913	31,477	11,416	4,434	626	122,866	1,097,018	101·71	159·40
1837-38	73,383	18,818	1,163	5,675	13	99,054	884,407	109·00	137·76
1838-39	60,519	37,053	8,495	2,242	48	108,356	967,465	118·45	163·71
1839-40	26,057	26,004	5,592	1,969	4	59,627	532,382	106·00	80·61
1840-41	96,640	43,512	15,178	10,272	23	165,625	1,478,792	110·86	234·20
1841-42	58,541	51,345	17,110	3,463	...	130,458	1,164,805	98·76	164·35
1842-43	66,884	46,076	17,284	4,921	88	135,255	1,207,629	91·85	158·46
1843-44	71,829	40,116	20,582	15,307	37	147,872	1,320,290	97·73	184·34
1844 45	64,847	27,006	13,050	11,065	2	115,971	1,035,456	92·36	136·62
1845-46	71,157	22,928	13,042	6,760	...	113,889	1,016,862	80·22	116·63
May 1 to Dec. 31, 1846	25,541	8,420	6,651	3,087	...	43,700	390,178	79·48	41·29
Total ...	778,349	399,927	151,900	70,167	1,435	1401,777	12.515,868	...	1792·01
Average 13 years. Candies ...	76,369	39,239	14,904	6,884	141	107,829	962,759	100·22	137·85
Cwts. ...	534,583	274,673	104,328	48,188	987	...	962,759	...	...
Bales of 392 lbs. ...	152,738	78,478	29,808	13,768	282	...	275,074	...	...

No. 19—*contd.*

Summary.

January 1 to December 31.	Candies.	Bales.	May 1 to April 30.	Candies.	Bales.	May 1 to April 30.	Candies.	Bales.	May 1 to April 30.	Candies.	Bales.
1828.....	102,638	205,276	1837	156,717	313,434	1841	211,256	422,512	1845	147,922	295,844
To April 30, 1834..	38,339	76,678	1838	126,344	252,688	1842	166,401	332,802	1846	145,266	290,532
May 1 to April 30, 1835....	68,367	136,734	1839	138,209	276,418	1843	172,519	345,038	May 1 to Dec. 31, 1846	55,739	111,478
1836.....	96,234	192,468	1840	76,055	152,110	1844	188,613	377,226			

Total 13 years (1834 to 1845)..... 1,787,981 Candies = 3,575,962 bales of 3½ cwts.
Average „ (Do. do.)..... 137,537 „ = 275,074 „ „

No. 20.

Exports from Bombay, Junuary 1, 1834, *to December* 31, 1846.

To	Total.			Annual Average.		Total Value in Lakhs of Rupees.	Average Annual Value in Lakhs of Rupees.
	Cwts.	Candies.	† Bales.	Candies.	Bales.		
Great Britain	6,934,516	990,645	1,981,290	76,203	152,406	1104·80	84·98
Foreign Europe	56,211	8,030	16,060	618	1,236	7·42	·57
China	6,130,667	875,810	1,751,620	67,370	134,740	943·35	72·57
Straits of Malacca ...	297,321	42,474	84,948	3,267	6,534	48·73	3·75
Manilla	9,935	1,420	2,840	109	218	1·48	·11
Persian Gulf	25,685	3,669	7,338	283	566	3·46	·27
Arabian Gulf	121,691	17,384	34,768	1,337	2,674	18·07	1·39
Coast of Africa	4,363	623	1,246	48	96	·58	·05
Calcutta.....	23,009	3,287	6,574	253	506	2·85	·22
Malabar and Canara,	8,068	1,153	2,306	89	178	1·22	·09
Cutch and Sind	1,913	273	546	21	42	·25	·02
Other Ports, Bombay Presidency.....	1,025	147	294	11	22	·16	·01
Elsewhere.....	1,165	166	332	13	26	·19	·01
Total.....	*13,615,569	1,945.081	3,890,162	149,622	299,244	2132·56	164·04

* Annual average 1,047,351 cwts.

† For actual number of bales exported vide page 40.

A Bombay Candy of Cotton weighs 784 lbs, or 7 cwts.

Do, Bale do. do. 392 lbs, or half a Candy (3½ cwts.)

No. 21.

Statement showing quantity of Cotton received at Bombay by Sea and Rail.

Years ending 31st December.	By Steamers and country Craft.	By B. B. & C. I. Railway.	By G. I. P. Railway.	Total Cwts.	Converted into Bales of 3½ cwts each.	Corrections.	Total Bales.
1875	1,681,971	871,911	2,009,137	4,563,019	1,303,719	+11,719	1,314,000
1876	1,647,416	855,831	1,697,402	4,200,649	1,200,185	—78,000	1,122,185
1877	1,204,672	746,781	1,877,466	3,846,919	1,099,119	+ 9,000	1,108,119
1878	931,853	293,400	2,261,861	3,487,114	996,318	—60,000	936,318
1879	1,088,048	324,635	1,711,436	3,124,119	892,605	— 9,000	883,605
1880	1,627,886	998,732	1,780,164	4,406,782	1,259,080	—39,000	1,220,080
1881	1,912,580	1,073,526	1,976,098	4,962,204	1,417,772	—40,000	1,377,772
1882	2,131,435	1,276,644	2,958,471	6,366,550	1,819,014	—62,000	1,757,014
1883	2,022,217	1,732,623	2,514,483	6,269,323	1,791,235	— 6,000	1,785,235
1884	2,031,833	1,988,755	1,804,957	5,825,545	1,664,442	...	1,664,442
1885	1,198,491	1,416,726	1,357,407	3,972,624	1,135,035	...	1,135,035
1886	1,184,866	1,936,965	2,508,324	5,630,155	1,608,597	...	1,608,597
1887	1,217,640	1,705,269	2,796,166	5,719,075	1,634,062	...	1,634,062
1888	1,461,058	1,497,691	2,271,852	5,230,601	1,494,457	— 7	1,494,450
1889	...	...	...	...	...	...	...

N. B.—From 1875 to 1882 Cotton sent to Bombay for transhipment was included in the receipts. Since 1883 a deduction of 3 per cent. for tare has been made on Cotton received by Rail.

No. 22.

Receipts at Bombay Port by all routes, distinguishing the exporting Provinces.

In cwts.] [In official years ending 31st March.

Exporting Provinces.	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.
Bombay Presidency	3,549,458	2,702,153	3,311,809	3,816,621	3,433,449
Sind	91,456	65,204	111,404	222,181	138,254
Punjab	53,854	62,387	82,498	102,987	99,024
N.-W. Provinces and Oudh	181,941	273,986	315,839	271,285	409,162
Rajputana and Central India	315,769	344,818	571,535	531,815	511,482
Berars	558,754	871,989	1,211,485	632,044	1,327,591
Central Provinces	15,435	53,717	67,949	6,405	91,443
Nizam's Territory	70,620	14,051	47,313	60,203	39,708
Madras Presidency	76,262	35,165	50,025	60,611	28,430
Other Provinces	70,235	75,551	57,913	1,368	3,446
Total...	4,983,784	4,499,021	5,827,770	5,705,520	6,081,989

No. 23.

Provinces from whence *Cotton* was received by Rail, Road and River at each of the Chief Ports, and also the total receipts by Sea at the same Ports in the calendar year 1886.

From	At Chief Ports.				Total.		
	Bombay.	Kurrachee	Calcutta.	Madras.	Maunds.	Cwts.	Bales of 3½ cwts.
Bombay Presidency ...	* 2,751,404	...	...	38,997	2,790,401	2,049,942	585,698
Sind...	...	154,368	...	...	154,368	113,405	32,402
Bengal Presidency ...	1	...	27,242	...	27,242	20,014	5,718
Madras do. ...	41,361	...	...	339,142	380,503	279,533	79,867
N.-W. Provinces and Oudh.	508,689	...	856,247	...	1,364,936	1,002,737	286,496
Punjab	133,550	34,215	99,231	...	266,996	196,146	56,042
Rajputana and Central India	661,754	...	24,749	...	686,503	504,333	144,095
Central Provinces... ...	100,152	...	2,166	...	102,318	75,167	21,476
Berar	1,600,311	...	...	...	1,600,311	1,175,654	335,901
Nizam's Dominions ...	65,496	...	...	8,682	74,178	54,494	15,570
Mysore	...	...	...	1,593	1,593	17 0	334
Assam	...	...	2,225	...	2,225	1,635	467
Total Maunds...	5,862,718	188,583	1,011,860	388,414	7,451,575	...	1,564,066
Equivalent in cwts. ...	4,306,992	138,541	743,353	285,344	5,474,230	5,474,230	...
Imports by Sea in cwts. ...	1,184,866	156	151,234	350	1,336,606	...	381,887
Total Imports in cwts.	5,491,858	138,697	894,587	285,694	6,810,836	...	...
Equivalent in bales of 3½ cwts. each	† 1,569,102	39,628	255,596	81,627	1,945,953	...	1,945,953

* Of which from Railway Blocks, Guzerat and Katbiawar ..... Maunds. 1,177,919
S. of Nurbudda and below the Ghauts 156,822
Khandeish, Nassik and Ahmednugger 1,028,809
Poona and Sholapore 192,310
Southern Mahratta Railway 195,544
Total Maunds..... 2,751,404

N. B.—A Maund equals 82⅔ lbs.

† Total, according to the returns of the Bombay Chamber of Commerce, 1,608,597 bales, an excess of 39,495 bales, equal to 3·21 per cent., due to Government deducting 5 per cent. for tare, whereas the Chamber calculates upon only 3 per cent.

No. 24.

Provinces from whence *Cotton* was received by Rail, Road and River at each of the Chief Ports, and also the total receipts by Sea at the same Ports in the calendar year 1887.

From	At Chief Ports.				Total.		
	Bombay.	Kurrachee.	Calcutta.	Madras.	Maunds.	Cwts.	Bales of 3½ cwts.
Bombay Presidency ...	*3,298,986	...	4	45,268	3,344,258	2,456,829	701,951
Sind...	...	355,167	...	...	355,167	260,921	74,549
Bengal Presidency ...	...	...	32,285	...	32,285	23,718	6,776
Madras do. ...	50,234	...	2	390,572	440,808	323,836	92,525
N.-W. Provinces and Oudh	350,474	89	966,618	...	1,317,181	967,655	276,473
Punjab	98,409	92,461	138,823	...	329,693	242,206	69,202
Rajputana & Central India	829,711	...	44,479	...	874,190	642,216	183,490
Central Provinces ...	37,050	...	848	...	37,898	27,842	7,955
Berar	1,311,954	...	...	...	1,311,954	963,812	275,375
Nizam's Dominions ...	81,963	...	...	19,306	101,269	74,396	21,256
Mysore	157	...	...	1,358	1,515	1,113	318
Assam	...	...	8,039	...	8,039	5,906	1,687
Total Maunds ...	6,058,938	447,717	1,191,098	456,504	8,154,257	...	1,711,557
Equivalent in cwts. ...	4,451,144	328,911	875,029	335,366	5,990,450	5,990,450	...
Imports by Sea in cwts..	1,217,640	3,065	122,380	354	1,343,439	...	383,840
Total Imports in cwts...	5,668,784	331,976	997,409	335,720	7,333,889	...	...
Equivalent in bales of 3½ cwts.	†1,619,653	94,850	284,974	95,920	2,095,397	...	2,095,397

* Of which from Railway Blocks, Guzerat and Kathiawar ..... Maunds. 1,037,982
S. of Nurbudda and below the Ghauts 139,216
Khandeish, Nassik and Ahmednugger 1,351,051
Poona and Sholapore 220,482
Southern Mahratta Railway 548,891
Marmagao-Deoli Railway 1,364
Total Maunds ... 3,298,986

† Total, according to the returns of the Bombay Chamber (*vide* note in preceding table) 1,634,062 bales, an excess of 14,409 bales or 1·13 per cent.

No. 25.

Provinces from whence *Cotton* was received by Rail, Road and River at each of the Chief Ports, and also the total Receipts by Sea at the same ports in the calendar year 1888.

From	At Chief Ports.				Total.		
	Bombay.	Kurrachee	Calcutta.	*Madras Sea Ports	Maunds.	Cwts.	Bales of 3½ cwts.
Bombay Presidency ...	†2,578,392	...	...	50,692	2,629,084	1,931,431	551,837
Sind	...	254,418	...	...	254,418	186,906	53,402
Bengal Presidency ...	5	...	131,644	...	131,649	96,715	27,633
Madras do. ...	18,600	...	...	576,999	595,599	437,550	125,014
N.-W.Provinces and Oudh.	426,393	...	478,433	...	904,826	664,721	189,920
Punjab	118,902	116,836	67,184	...	302,922	222,539	63,583
Rajputana and Central India	594,410	...	16,802	...	611,212	449,020	128,291
Central Provinces ...	71,196	...	...	...	71,196	52,308	14,945
Berar	1,164,905	...	...	...	1,164,905	855,786	244,510
Nizam's Dominions ...	52,526	...	...	10,242	62,768	46,112	13,175
Mysore	...	...	...	1,093	1,093	803	230
Assam	...	...	11,390	...	11,390	8,368	2,391
Total Maunds ...	5,025,329	371,254	705,453	639,026	6,741,062	...	1,414,931
Equivalent in cwts. ...	3,691,814	272,737	518,254	469,454	4,952,259	4,952,259	...
Imports by Sea in cwts....	1,461,058	105	174,634	40	1,635,837	...	467,382
Total Imports in cwts...	5,152,872	272,842	692,888	469,494	6,588,096	...	...
Equivalent in bales of 3½ cwts	‡1,472,249	77,955	197,968	134,141	1,882,313	...	1,882,313

* Madras Sea Ports are those touched by Railways, *viz.*, Madras, Pondicherry, Negapatam, Tuticorin and Calicut. The 1st quarter gives the returns for Madras port only, the rest for Madras ports.

† Of which from Railway Blocks,

	Maunds.
Guzerat and Kathiawar	775,049
S. of Nurbudda and below the Ghauts	169,031
Khandeish, Nassik and Ahmednugger	1,166,032
Poona and Sholapore	234,301
S. Mahratta Railway	228,896
Marmagao-Deoli Railway	5,083
Total Maunds ...	2,578,392

‡ According to the Bombay Chamber's returns, 1,494,457 bales, an excess of 22,208 bales, equal to 2·10 per cent.

No. 26.

Receipts of the various Growths of Cotton at Bombay.

In thousands of bales of $3\frac{1}{2}$ cwts. (000's omitted).

[Years ending 31st December.

GROWTHS.	1889.			1888.			1887.			1886.			1885.			1884.			1883.			1882.			1881.		
	January 1st to June 30th.	July 1st to December 31st	Year.	January 1st to June 30th.	July 1st to December 31st	Year.	January 1st to June 30th.	July 1st to December 31st	Year.	January 1st to June 30th.	July 1st to December 31st	Year.	January 1st to June 30th.	July 1st to December 31st	Year.	January 1st to June 30th.	July 1st to December 31st	Year.	January 1st to June 30th.	July 1st to December 31st	Year.	January 1st to June 30th.	July 1st to December 31st	Year.	January 1st to June 30th.	July 1st to December 31st	Year.
Hinghunghat	13	..	..	1	13	14	9	..	9	9	11	20	2	8	10	6	..	6	8	2	10	9	6	15	17	4	21
Oomras. Khandeish	243	..	..	179	56	235	240	33	273	161	42	203	94	17	111	131	11	142	..	..	..	..	..	..	..	..	..
Oomras. Berar	347	..	..	184	62	246	268	18	286	284	58	342	145	30	175	167	7	174	..	..	..	..	..	..	..	..	..
Oomras. Barsee and 'Nugar. ..	149	..	..	81	9	90	33	5	38	71	9	80	51	6	57	88	13	101	..	..	..	..	..	..	..	..	..
Total Oomras ..	739	..	..	444	127	571	591	56	647	516	109	625	290	53	343	386	31	417	586	46	632	641	70	711	364	117	481
Dhollera	294	..	..	322	9	331	330	20	350	345	43	388	295	44	339	542	55	597	495	94	579	462	50	512	425	98	523
Broach	141	..	..	104	2	106	109	1	110	160	..	160	129	..	129	161	..	161	211	..	211	123	2	125	114	3	117
Coompta and Dharwar ..	136	..	..	111	36	147	108	74	182	48	34	82	65	11	76	142	24	166	109	64	173	223	122	345	102	107	209
Westerns and Tinny.'s ..	17	..	..	12	8	20	8	25	33	11	16	27	6	9	15	30	35	65									
Bengals	237	..	..	179	55	234	197	43	240	182	82	264	123	43	166	170	32	202	92	65	157						
Sind	25	..	..	48	5	53	32	16	48	20	7	27	25	3	28	26	2	28	10	5	15	28	9	37	8	5	13
Persian	17	..	..	11	6	17	10	5	15	8	7	15	14	9	23	15	5	20	5	3	8	7	5	12	9	5	14
Other sorts	..	..	..	..	1	1	..	..	..	1	..	1	6	..	6	2	..	2									
Total ..	1,589	..	..	1,232	262	1,494	1,394	240	1,634	1,300	309	1,609	955	180	1,135	1,480	184	1,664	1,506	279	1,785	1,493	264	1,757	1,039	339	1,378

N. B.—Since 1884 a deduction of 3 per cent. for tare has been made on receipts of Cotton by rail. In 1882 and previous years Cotton sent to Bombay for transhipment was included in the receipts.

No. 26—*continued.*

Receipts of the various Growths of Cotton at Bombay—(continued).

In thousands of bales of 3½ cwts. (000's omitted.)

[Years ending 31st December.

GROWTHS.	1880.			1879.			1878.			1877.			1876.			1875.			1874.		
	January 1st to June 30th.	July 1st to December 31st.	Year.	January 1st to June 30th.	July 1st to December 31st.	Year.	January 1st to June 30th.	July 1st to December 31st.	Year.	January 1st to June 30th.	July 1st to December 31st.	Year.	January 1st to June 30th.	July 1st to December 31st.	Year.	January 1st to June 30th.	July 1st to December 31st.	Year.	January 1st to June 30th.	July 1st to December 31st.	Year.
Hinghunghat	7	11	18	2	4	6	28	..	28	20	11	31	8	7	15	20	3	23	27	10	37
Comras	344	56	400	336	34	420	522	43	565	409	52	461	374	29	403	482	25	507	474	57	531
Dhollera	299	40	339	118	25	143	99	13	112	336	42	378	337	79	416	423	35	458			
Broach	218	1	219	88	..	88	75	1	76	169	6	175	133	5	138	166	2	168	565	46	611
Coompta and Dharwar																					
Westerns and Tinny.'s	123	89	212	105	75	180	97	39	136	31	6	37	97	36	133	95	46	141	98	24	122
Bengals																					
Sind	12	3	15	17	10	27	4	2	6	5	6	11	7	2	9	12	..	12	15	5	20
Persian	12	5	17	12	8	20	7	6	13	9	6	15	4	4	8	3	2	5	2	2	4
Other sorts	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....
Total ..	1,015	205	1,220	728	156	884	832	104	936	979	129	1,108	960	162	1,122	1,201	113	1,314	1,181	144	1,325

No. 27.

Monthly Receipts of Cotton at Bombay, by Rail and Sea.

In bales of 3½ cwt. (000's omitted). [Years ending 31st December.

Month.	1889.		1888.		1887.		1886.		1885.		1884.		1883.		1882.		1881.		1880.	
	Month.	Total.	Month.	Total.	Month.	Total.	Month.	Total.	Month.	Total.	Month.	Total.	Month.	Total.	Month.	Total.	Month.	Total.	Month.	Total.
January	267	267	141	141	184	184	147	147	96	96	168	168	158	158	165	165	110	110	49	49
February	312	579	197	338	168	352	177	324	119	215	157	325	243	401	228	393	117	227	163	212
March..	314	893	275	613	263	615	242	566	156	371	247	572	323	724	319	712	194	421	198	410
April	307	1,200	289	902	348	963	295	861	198	569	349	921	314	1,038	338	1,050	221	642	231	641
May	259	1,459	238	1,140	302	1,265	313	1,174	273	842	392	1,313	322	1,360	318	1,368	271	913	243	884
June	130	1,589	92	1,232	129	1,394	126	1,300	113	955	167	1,480	146	1,506	125	1,493	126	1,039	131	1,015
July	50	1,639	33	1,265	39	1,433	34	1,334	18	973	23	1,503	8	1,514	48	1,541	36	1,075	35	1,050
August	27	1,666	7	1,282	15	1,448	29	1,363	7	980	19	1,522	15	1,529	27	1,568	23	1,098	31	1,081
September.. ..	15	1,681	9	1,291	20	1,468	20	1,383	10	990	13	1,535	19	1,548	18	1,586	22	1,120	17	1,098
October	26	1,707	14	1,305	34	1,502	21	1,404	16	1,006	23	1,558	43	1,591	25	1,611	45	1,165	33	1,131
November	..	..	45	1,350	35	1,537	65	1,469	45	1,051	29	1,587	71	1,662	50	1,661	76	1,241	35	1,166
December	..	..	144	1,494	97	1,634	140	1,609	84	1,135	77	1,664	123	1,785	96	1,757	137	1,378	54	1,220
1st six months..	..	1,589	..	1,232	..	1,394	..	1,300	..	955	..	1,480	..	1,506	..	1,493	..	1,039	..	1,015
2nd do. ..	..	..	..	262	..	240	..	309	..	180	..	184	..	279	..	264	..	339	..	205
Year ..	..	..	..	1,494	..	1,634	..	1,609	..	1,135	..	1,664	..	1,785	..	1,757	..	1,378	..	1,220

Month.	1879.		1878.		1877.		1876.		1875.		1874.		1873.		1872.		1871.		1870.	
	Month.	Total.	Month.	Total.	Month.	Total.	Month.	Total.	Month.	Total.	Month.	Total.	Month.	Total.	Month.	Total.	Month.	Total.	Month.	Total.
January	28	28	130	130	109	109	73	73	134	134	103	103	95	95	159	159	60	60	66	66
February	113	141	148	278	123	232	105	178	203	337	155	258	139	234	171	330	121	181	112	178
March..	116	257	141	419	197	429	195	373	255	592	249	507	189	423	138	468	176	357	141	319
April	190	447	155	574	262	691	234	607	252	844	317	824	209	632	147	615	225	582	197	516
May	199	646	142	716	203	894	237	844	250	1,094	273	1,097	206	838	144	759	264	846	291	807
June	82	728	116	832	85	979	116	960	107	1,201	84	1,181	61	899	122	881	145	991	187	994
July	27	755	22	854	15	994	14	974	12	1,213	15	1,196	11	910	10	891	43	1,034	17	1,011
August	12	767	10	864	7	1,001	14	988	6	1,219	12	1,208	6	916	4	895	20	1,054	2	1,013
September.. ..	21	788	10	874	5	1,005	18	1,006	7	1,226	5	1,213	10	926	3	898	21	1,075	4	1,017
October	40	828	14	888	14	1,020	28	1,034	17	1,243	13	1,226	25	951	7	905	47	1,122	8	1,025
November	23	851	21	909	26	1,045	47	1,081	27	1,270	29	1,255	31	982	16	921	50	1,172	26	1,051
December	33	884	27	936	62	1,108	41	1,122	44	1,314	70	1,325	47	1,029	39	960	89	1,261	37	1,088
1st six months..	..	728	..	832	..	979	..	960	..	1,201	..	1,181	..	899	..	881	..	991	..	994
2nd do. ..	..	156	..	104	..	129	..	162	..	113	..	144	..	130	..	79	..	270	..	94
Year ..	..	884	..	936	..	1,108	..	1,122	..	1,314	..	1,325	..	1,029	..	960	..	1,261	..	1,088

No. 28.

Monthly Exports (Sailings) of Cotton from Bombay to Europe only.

Compiled from Vessels' Manifests.] In thousands of bales of 3½ cwts. (392 lbs.) (000's omitted.) [Years ending 31st December.

Month.	1889.						1888.						1887.						1886.					
	U. K.	Total.	Continent.	Total.	Month.	Total.	U. K.	Total.	Continent.	Total.	Month.	Total.	U. K.	Total.	Continent.	Total.	Month.	Total.	U. K.	Total.	Continent.	Total.	Month.	Total.
January.. ..	39	39	104	104	143	143	13	13	50	50	63	63	14	14	60	60	74	74	16	16	50	50	66	66
February ..	59	98	119	223	178	321	10	23	93	143	103	166	32	46	79	139	111	185	31	47	91	141	122	188
March	76	174	187	410	263	584	52	75	125	268	177	343	42	88	123	262	165	350	46	93	99	240	145	333
April	79	253	180	590	259	843	51	126	98	366	149	492	109	197	158	420	267	617	68	161	126	366	194	527
May	72	325	166	756	238	1,081	44	170	128	494	172	664	96	293	107	527	203	820	64	225	135	501	199	726
June	23	348	44	800	67	1,148	24	194	61	555	85	749	50	343	98	625	148	968	66	291	102	603	168	894
July	7	355	20	820	27	1,175	11	205	21	576	32	781	16	359	35	660	51	1,019	10	301	28	631	38	932
August	5	360	11	831	16	1,191	1	206	8	584	9	790	6	365	16	676	22	1,041	13	314	23	654	36	968
September ..	4	364	12	843	16	1,207	3	209	13	597	16	806	1	366	8	684	9	1,050	3	317	11	665	14	982
October	6	370	14	857	20	1,227	4	213	12	609	16	822	3	369	13	697	16	1,066	6	323	14	679	20	1 002
November ..	..	..	..	..	..	..	6	219	19	628	25	847	5	374	13	710	18	1,084	6	329	10	689	16	1,018
December ..	..	..	..	..	..	..	14	233	26	654	40	887	10	384	18	728	28	1,112	16	345	39	728	55	1,073
1st six months..	..	..	..	..	..	..	..	194	..	555	..	749	..	343	..	625	..	968	..	291	..	603	..	894
2nd do. ..	..	..	..	..	..	..	..	39	..	99	..	138	..	41	..	103	..	144	..	54	..	125	..	179
Year ..	..	..	..	..	..	..	..	233	..	654	..	887	..	384	..	728	..	1,112	..	345	..	728	..	1,073

Month.	1885.						1884.						1883.					
	U. K.	Total.	Continent.	Total.	Month.	Total.	U. K.	Total.	Continent.	Total.	Month.	Total.	U. K.	Total.	Continent.	Total.	Month.	Total.
January.. ..	15	15	39	39	54	54	44	44	54	54	98	98	38	38	64	64	102	102
February ..	16	31	51	90	67	121	53	97	73	127	126	224	45	83	88	152	133	235
March	51	115	62	229	113	344	93	271	179	384	272	655	75	235	149	457	224	692
April	59	174	113	342	172	516	117	388	133	517	250	905	96	331	189	646	285	977
May	31	205	81	423	112	628	84	472	79	596	163	1 068	65	396	66	712	131	1,108
June	6	211	22	445	28	656	24	496	15	611	39	1,107	14	410	16	728	30	1,138
July	4	215	9	454	13	669	6	502	9	620	15	1,122	14	424	12	740	26	1,164
August	2	217	9	463	11	680	5	507	11	631	16	1,138	6	430	19	759	25	1,189
September ..	1	218	8	471	9	689	7	514	15	646	22	1,166	13	443	20	779	33	1,222
October	3	221	6	477	9	698	3	517	23	669	26	1,180	19	462	14	793	33	1,255
November ..	14	235	30	507	44	742	17	534	28	697	45	1,231	38	500	43	836	81	1,336
December ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1st six months..	..	265	..	423	..	628	..	472	..	596	..	1,068	..	396	..	712	..	1,108
2nd do. ..	..	30	..	84	..	114	..	62	..	101	..	163	..	104	..	124	..	228
Year ..	..	235	..	507	..	742	..	534	..	697	..	1,231	..	500	..	836	..	1,336

Month.	1882.						1881.						1880.						1879.					
	U. K.	Total.	Continent.	Total.	Month.	Total.	U. K.	Total.	Continent.	Total.	Month.	Total.	U. K.	Total.	Continent.	Total.	Month.	Total.	U. K.	Total.	Continent.	Total.	Month.	Total.
January.. ..	86	86	56	56	142	142	16	16	23	23	39	39	21	21	28	28	49	49	12	12	16	16	28	28
February ..	104	190	49	105	153	295	29	45	72	95	101	140	25	46	54	82	79	128	19	31	23	39	42	70
March	154	344	86	191	240	535	53	98	70	165	123	263	59	105	68	150	127	255	29	60	59	98	88	158
April	156	500	97	238	253	788	53	151	126	291	179	442	82	187	91	241	173	428	53	113	68	166	121	279
May	132	632	137	405	269	1,057	50	201	104	395	154	596	90	277	121	362	211	639	71	184	80	246	151	430
June	59	691	119	544	178	1,235	38	239	82	477	120	716	55	332	71	433	126	765	47	231	56	302	103	533
July	19	710	26	570	45	1,280	30	269	36	513	66	782	18	350	33	466	51	816	7	238	12	314	19	552
August	20	730	14	584	34	1,314	24	293	16	529	40	822	2	352	16	482	18	834	6	244	23	337	29	581
September ..	23	753	11	595	34	1,348	11	304	14	543	25	847	2	354	9	491	11	845	3	247	10	347	13	594
October	30	783	10	605	40	1,388	10	314	17	560	27	874	4	358	10	501	14	859	3	250	9	3 6	12	606
November ..	9	792	15	620	24	1,412	28	342	24	584	52	926	2	360	15	516	17	876	6	256	9	365	15	621
December ..	16	808	34	654	50	1,462	33	375	44	628	77	1,003	20	380	26	542	46	922	5	261	16	381	21	642
1st six months..	..	691	..	544	..	1,235	..	239	..	477	..	716	..	332	..	433	..	765	..	231	..	302	..	533
2nd do. ..	..	117	..	110	..	227	..	136	..	151	..	287	..	48	..	109	..	157	..	30	..	79	..	109
Year ..	..	808	..	654	..	1,462	..	375	..	628	..	1,003	..	380	..	542	..	922	..	261	..	381	..	642

Month.	1878.						1877.						1876.					
	U. K.	Total.	Continent.	Total.	Month.	Total.	U. K.	Total.	Continent.	Total.	Month.	Total.	U. K.	Total.	Continent.	Total.	Month.	Total.
January.. ..	17	17	35	35	52	52	29	29	15	15	44	44	29	29	22	22	51	51
February ..	33	50	57	92	90	142	52	81	50	65	102	146	34	63	30	52	64	115
March	61	110	72	164	133	275	63	144	55	120	118	264	62	125	34	86	97	211
April	49	159	93	257	142	417	86	230	104	224	190	454	103	228	76	162	179	390
May	53	254	35	353	88	608	57	354	52	393	109	747	114	503	73	308	187	811
June	42	201	61	318	103	520	67	297	117	341	184	638	161	389	73	235	234	624
July	42	201	61	318	103	520	67	297	117	341	184	638	161	389	73	235	234	624
August	35	289	17	370	52	660	16	370	6	399	22	769	13	516	30	338	43	854
September ..	16	305	7	377	23	683	4	374	8	407	12	781	17	533	4	342	21	875
October	6	311	9	386	15	698	2	376	3	410	5	786	14	547	22	364	36	911
November ..	6	316	7	393	12	710	2	378	6	416	8	794	12	559	11	375	23	934
December ..	2	321	6	405	8	727	11	391	18	448	29	839	6	580	10	404	16	984
1st six months..	..	254	..	353	..	608	..	354	..	393	..	747	..	503	..	308	..	811
2nd do. ..	..	67	..	52	..	119	..	37	..	55	..	92	..	77	..	96	..	172
Year ..	..	321	..	405	..	727	..	391	..	448	..	839	..	580	..	404	..	984

No. 29.

Exports of Cotton from Bombay to Europe, China and Indian Port.
In Bales of 392 lbs.

Calendar Year.	Great Britain.	Ports of call in U. K. for orders (a).	Total Great Britain.	Continent of Europe.	Total Europe.	China and Singapore.	Calcutta and other Ports.	Total Exports.
1834	82 079	.....	82.079	102	82,181	117,873	.....	200,054
1835	103,577	.....	103,577	1,176	104.753	51 543	235	156,531
1836	166,170	.....	166,170	1,402	167,572	120,745	802	289,119
1837	95,550	.....	95,550	120	95,670	149.621	2,916	248 207
1838	103,426	.....	103,426	981	104.407	176,963	701	282,071
1839	133,588	.....	133,588	738	134,326	107,370	895	242,591
1840	191,150	.....	191.150	1,223	192,373	105,036	1,307	298,716
1841	302,407	.....	302,407	637	303,044	120,465	345	423,854
1842	140,268	.....	140,268	350	140,598	262,206	688	403,492
1843	174,193	.....	174,193	.....	174,193	252.134	1,734	428,061
1844	241,062	.....	241,062	61	241.123	174,569	1,097	416,789
1845	125,440	.....	125,440	2,843	128,283	202,929	4.439	335,651
1846	92,568	.....	92,568	.....	92,568	163,219	1,604	257,391
1847	.....	.....	.....	.....	.....	.....	.....	.....
1848	.....	.....	.....	.....	.....	.....	.....	.....
1849	.....	.....	.....	.....	.....	.....	.....	.....
1850	.....	.....	.....	.....	.....	.....	.....	.....
1851	.....	.....	.....	.....	.....	.....	.....	.....
1852	.....	.....	.....	.....	.....	.....	.....	.....
1853	407,721	.....	407,721	.....	407.721	90,326	.....	498,047
1854	273,497	.....	273,497	2,932	276,429	121,901	.....	398.330
1855	340 246	.....	340 246	6,544	346,790	96,847	.....	443,637
1856	527,146	9,553	536,699	24,008	560,707	137,781	.....	698,488
1857	507 503	67 886	575.389	75,049	650.438	36,772	.....	687,210
1858	324,675	13.993	338,668	19,542	358,210	103,731	.....	461,941
1859	564,886	25,314	590,200	27,624	617,824	151,847	.....	769,681
1860	469,611	5,525	475,136	17,258	492.394	202,179	.....	694,573
1861*	931,077	18,560	949,637	8,497	958,064	60 511	.....	1,018,575
1862*	928,140	3,758	926.898	20,833	947,731	7,934	.....	955,665
1863*	945.455	2,867	948,322	48,788	997.110	†.....	.....	(1)1,000,504
1864*	871,552	2,075	873,627	54.022	927,649	†.....	.....	(2) 928.355
1865	1,074,158	.....	1,074,158	36,362	1,110.520	13.402	.....	(3)1,123,922
1866	919.391	2,939	922,330	33,206	955.536	4,619	.....	960.155
1867	1.054 414	1,943	1,056,357	71,374	1,127,731	48,236	.....	1,175.967
1868	1,012,497	25,108	1,037,605	146,754	1,184,359	55.771	.....	1,240,130
1869	944,916	515	945.431	174,009	1,119,440	17.374	.....	1,136,814
1870	817,965	10,379	828,344	115,781	944,125	44,884	.....	989 009
1871	852,678	31,109	883 787	239,737	1,123,524	51,939	.....	1,175,463
1872	639 152	23,805	662.957	245,223	908,180	38,823	.....	947,003
1873	736 275	16,099	752,374	192,499	944,873	24,552	.....	(4) 969,349
1874	842,842	5,863	848.705	388,177	1,236,882	19,238	.....	1,256,120
1875	786,072	23,368	809,440	432,086	1,241,526	34.456	.....	1.275,982
1876	549,727	29,909	579,696	404 495	984.191	18,525	9,752	1,012,468
1877	389,005	2,650	391,655	447,809	839.464	22,655	22,957	885,076
1878	320.984	.....	320,984	405,500	726 484	14,882	29 560	770 926
1879	258.260	2,485	260.745	380,713	641.458	15,645	19,963	676,466
1880	379,952	.....	379,952	542,118	922,050	15,476	19,675	957.201
1881	373,176	1,800	374,976	627,788	1,002,764	50,826	25.779	1,079.369
1882	807,916	.....	807,916	653.591	1,461,507	60,812	30,573	1,552,892
1883	500,108	.....	500,108	835,360	1,335,468	49,567	36,347	1,421,382
1884	524.916	9,159	534.075	696,982	1.231.057	61,412	37.739	1,330,208
1885	229,756	4,900	234 656	507,499	742,155	29,064	35,628*	806,842
1886	345,296	.....	345.296	728,120	1,073,416	22,958	30.281	1.127,195
1887	383,624	.....	383,624	728,307	1.111,931	29,727	32,171	1,173,829
1888	232,276	.....	232,276	654,771	887,047	13,633	33,456	934,136
1889	.....	.....	.....	.....	.....	.....	.....	.....

(a) As nearly all Cotton sent to Ports of Call "for orders" was despatched to Falmouth or Queenstown [Ports in U. K.], these shipments are added to U. K. exports.

* American War. † In these years Cotton was *imported* from China.

(1) Including 3,394 bales to America.
(2) " 706 " "
(3) " 800 " "
(4) " 24 " "

N.B.—Since 1883 Cotton sent to Bombay for transhipment has been excluded. Between 1879 and 1882, the following quantities of transhipped Cotton were included in the returns:—

1879.. .. 26,879 bales. | 1881.. .. 38,521 bales.
1880.. .. 20 086. " | 1882.. .. 56,539 "

Nearly the whole being Tinnevellys from Tuticorin and a little from Kurrachee.

No. 30.

Exports of Cotton from Bombay to Great Britain and Continent of Europe, showing sailings in the first six months and in the 12 months of each year.

Compiled from Vessels' Manifests.] In bales of 392 lbs. net. [Years ending 31st December.

Years.	January 1 to June 30.			January 1 to December 31.		
	U. K.	Continent.	Total.	U. K.	Continent.	Total.
1858	214,985	12,116	227,101	338,224	12,178	350,402
1859	346,901	19,955	366,856	596,176	26,143	622,593
1860	302,272	7,715	309,987	478,820	17,773	496,593
1861	645,320	2,789	648,109	930,039	26,986	957,025
1862	595,065	7,284	602,349	932,617	23,453	956,070
1863	485,365	28,035	513,400	948,322	48,788	997,110
1864	547,431	33,340	580,771	873,627	54,022	927,649
1865	620,954	19,437	640,391	1,074,158	36,362	1,110,520
1866	781,264	25,674	806,938	922,330	33,206	955,536
1867	822,420	58,869	881,289	1,056,357	71,374	1,127,731
1868	823,053	155,624	978,677	1,037,605	146,754	1,184,359
1869	749.548	159.434	908,982	945,431	174.009	1,119,440
1870	630,190	126,309	756,499	828,344	115,781	944,125
1871	585,187	228,773	813,960	883,787	239,737	1,123,524
1872	572,715	196,907	769,622	662,957	245,223	908,180
1873	622,280	155,754	778,034	752 374	192,499	944,873
1874	690,673	334,104	1,024,777	848,705	388,177	1,236,882
1875	707.926	364,957	1,072,883	809,440	432,086	1,241,526
1876	502,737	308 390	811,127	579,696	404,495	984,191
1877	353,955	393,206	747,161	391,655	447,809	839,464
1878	253,984	353,821	607,755	320,984	405,500	726,484
1879	230,723	302,135	532,858	260,745	380,713	641,458
1880	332,151	433.020	765.171	379,932	542,118	922,050
1881	239,484	477,324	716,808	374,976	627,788	1,002.764
1882	691,123	544,019	1,235,142	807,916	653,591	1,461,507
1883*	395,864	712,363	1,108,227	500,108	835,360	1,335,468
1884	472.380	595,891	1,068,271	534,075	696,982	1,231,057
1885	204,707	422.936	627,643	234,656	507,499	742,155
1886	291,172	602,637	893,809	345,296	728,120	1,073,416
1887	343,630	624,401	968,031	383,624	728.307	1,111,931
1888	194,459	554,595	749.054	232,276	654,771	887,047
1889	348,258	799,824	1,148,082	.....	...	

No. 31.

Exports of Cotton from Bombay to U. K. and Continent of Europe in each half year of Seasons ending 30th June.

Years ending 30th June.	July 1 to Dec. 31.	January 1 to June 30.	Total Bales.	Years ending 30th June.	July 1 to Dec. 31.	January 1 to June 30.	Total Bales.
1858-59 ...	123,301	366.856	490,157	1874-75 ...	212,105	1,072,883	1,284,988
1859-60 ...	255,737	309,987	565,724	1875-76 ...	168,643	811,127	979,770
1860-61 ...	186,606	648,109	834,715	1876-77 ...	173,064	747,161	920,225
1861-62 ...	308,916	602,349	911,265	1877-78 ...	192,303	607,755	800,058
1862-63 ...	353,721	513,400	867,121	1878-79 ...	118.729	532,858	651,587
1863-64 ...	483,710	580,771	1,064,481	1879-80 ...	108,600	765.171	873,771
1864-65 ...	546,878	640,391	1,187,269	1880-81 ...	156,879	716,808	873,687
1865-66 ...	470,129	806,938	1,277,067	1881-82 ...	285.956	1,235.142	1,521.098
1866-67 ...	148,598	881,289	1,029,887	1882-83 ...	226,365	1,108,227	1,334,592
1867-68 ...	246,442	978,677	1,225,119	1883-84 ...	227,241	1,068,271	1,295,512
1868-69 ...	205,682	908,982	1,114,664	1884-85 ...	162,786	627,643	790,429
1869-70 ...	210,458	756.499	966,957	1885-86 ...	114,512	893,809	1,008 321
1870-71 ...	187,626	813,960	1,001,586	1886-87 ...	179,607	968,031	1,147 638
1871-72 ...	309,564	769,622	1,079,186	1887-88 ...	143,900	749,054	892.954
1872-73 ...	138,558	778,034	916,592	1888-89 ...	137,993	1,148,082	1,286,075
1873-74 ...	166,839	1,024,777	1,191,616	1889-90 ...			

N.B.—Vessels which cleared for U. K. Ports "for orders" have been included with U. K. and similarly sailings for Continental Ports "for orders" have been added to Continental returns.

*Since 1883 Cotton sent to Bombay for transhipment has been excluded from the tables.

No. 32.

Receipts at, and Exports from, Bombay, also Mill Consumption in the Island of Bombay during the Seasons (12 months) ending June 30.

In thousands of bales (000's omitted.)

Years ending 30th June	Receipts.			Exports to Europe.			Exports elsewhere.	Total Exports, Bales.	Mill consumption, Bombay Island.	Exports and Mill consumption.	Remarks.
	July 1 to Dec. 31	Jan. 1 to June 30.	Total Bales.	July 1 to Dec. 31	Jan. 1 to June 30.	Total Bales.					
1859 ...	...	...	...	123	367	490	152	642	...	...	
1860 ...	...	...	...	256	310	566	202	*768	...	...	*Maximum Exports to this year.
1861 ...	...	...	...	187	648	835	61	896	...	...	American War. In 1863 and 1864 Cotton was imported from China at Bombay.
1862 ...	...	...	...	309	602	911	8	919	...	...	
1863 ...	...	...	...	354	513	867	3	870	...	...	
1864 ...	...	...	...	484	581	1,065	1	1,066	...	...	
1865 ...	...	...	...	547	640	1,187	14	1,201	42	1,243	
1866 ...	...	...	...	470	807	1,277	5	1,282	46	1,328	
1867 ...	...	...	...	149	881	1,030	48	1,078	47	1,125	
1868 ...	...	...	...	246	979	1,225	56	1,281	48	1,329	
1869 ...	...	...	...	206	909	1,115	50	1,165	49	1,214	
1870 ...	?	994	?	210	757	967	39	1,006	50	1,056	
1871 ...	94	991	1,085	188	814	1,002	48	1,050	52	1,102	
1872 ...	270	881	1,151	309	770	1,079	34	1,113	53	1,166	
1873 ...	79	899	978	139	778	917	34	951	67	1,018	
1874 ...	130	1,181	1,311	167	1,025	1,192	25	1,217	83	1,300	
1875 ...	144	1,201	1,345	212	1,073	1,285	20	1,305	135	1,440	
1876 ...	113	960	1,073	169	811	980	35	1,015	147	1,162	
1877 ...	162	979	1,141	173	747	920	38	958	161	1,119	
1878 ...	129	832	961	192	608	800	46	846	204	1,050	
1879 ...	104	728	832	119	533	652	64	716	181	897	
1880 ...	156	1,015	1,171	109	765	874	34	908	220	1,128	
1881 ...	205	1,039	1,244	157	717	874	60	934	273	1,207	
1882 ...	339	1,493	1,832	286	1,235	1,521	87	1,608	277	1,885	
1883 ...	264	1,506	1,770	226	1,108	1,335	95	1,430	313	1,743	
1884 ...	279	1,480	1,759	227	1,068	1,295	100	1,395	348	1,743	
1885 ...	184	955	1,139	163	628	791	70	861	392	1,253	
1886 ...	180	1,300	1,480	115	894	1,009	61	1,070	391	1,461	
1887 ...	309	1,394	1,703	180	968	1,147	40	1,187	454	1,641	
1888 ...	240	1,232	1,472	144	749	893	58	951	500	1,451	
1889 ...	262	1,589	1,851	138	1,148	1,286	46	1,332	565	1,897	

N.B.—Since 1876, shipments to Calcutta have been included under Elsewhere. Between 1859 and 1868, inclusive, the figures under "Elsewhere" are for the calendar year.

No. 33.

A Comparative Statement showing the Rainfall at Bombay and the Receipts at, and Exports from, Bombay in the subsequent Season (Nov. 1st Oct. 31st).

Year.	Rainfall at Colaba, Bombay.								Year.	Receipts of Cotton at Bombay :—In thousands of bales.										Exports from Bombay to Europe in thousands of bales.				
Jan. 1 to Dec. 31	Jan. 1 to May 31	June.	July.	August.	Sept.	Oct.	Nov. and Dec.	Year.	Nov. 1 to Oct. 31	Nov.	Dec.	Jan.	Feb.	March	April.	May.	June.	July to Oct.	Year.	Nov. and Dec.	Jan. to Mar.	April to June.	July to Oct.	Year.
Average...	·70	20·79	24·67	15·08	10·78	1·81	1·07	74·90	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1870.. ..	·05	21·73	26·43	6·27	7·08	4·65	..	66·21	1870-71	26	37	60	121	176	225	264	145	131	1,185	..	..	..	..	..
1871.. ..	3·47	8·91	9·96	8·95	6·01	·25	3·03	40·58	1871-72	50	89	159	171	138	147	144	122	24	1,044	..	..	..	..	..
1872.. ..	·06	24·43	24·84	9·49	16·59	1·07	..	76·48	1872-73	16	39	95	139	189	209	206	61	52	1,006	..	..	..	..	..
1873.. ..	·56	20·36	16·98	23·96	7·77	·07	..	69·70	1873-74	31	47	103	155	249	317	273	84	45	1,304	..	..	..	..	..
1874.. ..	·05	18·68	41·24	11·14	11·05	·02	..	82·18	1874-75	29	70	134	203	255	252	250	107	42	1,342	..	..	..	..	..
1875.. ..	·47	24·36	15·39	12·23	31 76	..	·35	84·56	1875-76	27	44	73	105	195	234	237	116	74	1,105	..	..	..	..	..
1876.. ..	·01	12·97	23·69	8·66	4·68	..	..	50·01	1876-77	47	41	109	123	197	262	203	85	41	1,108	50	264	433	47	844
1877.. ..	·74	35·58	11·10	8·51	8·89	8·33	..	73·15	1877-78	26	62	130	148	141	155	142	116	56	976	45	275	333	102	755
1878.. ..	·07	19·99	48·33	20·46	16·42	4·89	2·61	112·77	1878-79	21	27	28	113	116	190	199	82	100	876	17	158	375	73	623
1879.. ..	5·26	15·56	11·21	22·36	5·61	·40	..	61·40	1879-80	23	33	49	163	198	231	243	131	116	1,187	36	255	510	94	895
1880.. ..	·03	21 48	18·37	4·08	22·30	1·18	..	67·94	1880-81	35	54	110	117	194	221	271	126	126	1,254	63	263	453	158	937
1881.. ..	·40	15·29	29·47	19·06	4·56	4·17	·09	73·04	1881-82	76	137	165	228	319	338	318	125	118	1,824	129	535	700	153	1,517
1882.. ..	·16	27 54	26·94	3·36	10·08	1·12	·03	69·23	1882-83	50	96	158	243	353	314	322	146	85	1,737	74	468	640	114	1,296
1883.. ..	·45	13 65	39·88	12·57	12·37	10·40	·86	90·18	1883-84	71	123	168	157	247	349	392	167	78	1,752	114	383	685	92	1,274
1884.. ..	·03	13·25	25·87	15·29	17·04	2·22	1·74	75·44	1884-85	29	77	96	119	156	198	273	113	51	1,112	71	231	397	61	760
1885.. ..	·02	5·11	21·81	25·42	12·61	3·54	..	69·71	1885-86	45	84	147	177	242	295	313	126	104	1,533	53	333	561	108	1,055
1886.. ..	·97	43·45	35·79	10·69	6·54	1·69	·61	99·74	1886-87	65	140	184	168	263	348	302	129	108	1,707	71	350	618	98	1,137
1887.. ..	·11	24·07	30·98	17·59	18·23	2·79	1·18	94·95	1887-88	35	97	141	204	268	289	238	92	63	1,427	46	343	406	73	868
1888.. ..	1·99	15·76	22·47	11·43	4·92	0 11	1·16	57·84	1888-89	45	144	267	312	314	307	259	130	118	1,896	65	584	564	79	1,292
1889.. ..	·87	19·89	30·45	10·32	2·71	3·80	..	[*67·84]	1889-90	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

*To end of October.

No. 34.

Statement showing the number of Bales of Cotton shipped Overland (Suez to Alexandria) from Bombay from 1st January 1865 to 30th June 1869.

Periods.	Alexandria.	Trieste.	Venice.	Naples.	Genoa.	Marseilles.	Barcelona.	Havre.	Total to Continent.	Falmouth.	Southampton.	London.	Liverpool.	Total to Great Britain.	Grand Total to U. K. and Continent.
January 1 to December 31, 1865 ...	1,198	...	...	...	...	...	...	...	1,198	...	...	...	43,536	43,536	44,734
" " 1866 ...	456	...	...	...	...	...	...	...	456	...	...	..	83,469	83,469	83,925
" " 1867 ...	...	14,167	...	...	...	3,387	...	...	17,554	...	2,481	...	96,369	98,850	116,404
" " 1868 ...	1,124	13,170	...	...	2,150	3,953	25	414	20,836	50	358	100	59,926	60,434	81,270
January 1 to June 30, 1869 ...	...	14,363	600	100	4,951	6,678	368	8,192	35,252	...	203	210	101,902	102,315	137,567
Total Bales 4½ years...	2,778	41,700	600	100	7,101	14,018	393	8,606	75,296	50	3,042	310	385,202	388,604	463,900

Extracted from the "Report on the Cotton Department" for 1868-69, by H. Rivett-Carnac, B.C.S., Cotton Commissioner for the Central Provinces and Berars.

N.B.—The aggregates in 1868 and half of 1869 here given are somewhat smaller than in Table No. 32.

No. 35.

Routes by which Cotton was despatched from Bombay to Europe and total Exports to all Ports.

January 1 to June 30.

[In bales of 392 lbs. net.

To	1868.			1869.			1870.			1871.			1872.			1873.		
	Via Cape.	Over-land via Suez.	Total.	Via Cape.	* Over-land via Suez.	Total.	Via Cape.	Via Suez Canal.	Total.	Via Cape.	Via Suez Canal.	Total.	Via Cape.	Via Suez Canal.	Total.	Via Cape.	Via Suez Canal.	Total.
Great Britain ..	775,356	47,697	823,053	645,046	104,502	749,548	378,601	251,589	630,190	442,979	142,208	585,187	224,208	348,507	572,715	222,673	399,607	622,280
Continent ..	140,861	14,763	155,624	120,241	39,193	159,434	40,716	85,593	126,309	92,830	135,943	228,773	56,606	140,301	196,907	19,752	136,002	155,754
Total Europe ..	916,217	62,460	978,677	765,287	143,695	908,982	419,317	337,182	756,499	535,809	278,151	813,960	280,814	448,808	769,622	242,425	535,609	778,034
China, Straits, &c.	....	....	18,930	....	....	14,361	....	....	35,790	....	....	38,160	....	....	19,614	....	....	15,165
Calcutta, &c. ..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.. .
Total ..	....	....	997,607	....	..	923 343	..	....	792,289	....	....	852,120	....	..	789 226	....	....	793,199

January 1 to December 31.

Great Britain ..	973,448	64,157	1,037,605	767,249	178,182	945,431	538,935	289,409	828,344	595,101	288,636	883,787	255,237	407,720	662,957	264,131	487,943	752 374
Continent ..	126,921	19,833	146,754	125,763	48,246	174,009	44,501	71,280	115,781	119,655	120,082	239,737	56,606	188,617	245,223	27,129	165,370	192,499
Total Europe ..	1,100,369	83,990	1,184,359	893,012	226,428	1,119,440	583,436	360,689	944,125	714,756	408,768	1,123,524	311,843	596,337	908,180	291,260	653,313	944.873
China, Straits, &c..	....	....	55,771	....	....	17,374	....	....	44,884	....	....	51,939	....	....	38,823	....	....	21,552
Calcutta, &c. .	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total ..	....	....	1,240,130	....	....	1,136,814	..	....	989,069	....	....	1.175,463	....	....	947,003	....	....	969,425

* The Asie (s. s.) which cleared December 24, 1869, for Marseilles, was the first steamer to leave Bombay for Europe *via* Suez Canal.

January 1 to June 30.

To	1874.			1875.			1876.			1877.			1878.			1879.		
	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.
Great Britain ..	331,064	359,609	690,673	308,462	399,464	707,926	242,803	259,934	502,737	128,209	225,746	353,955	77,973	175,961	253,934	64,324	166,399	230,723
Continent	112,342	221,762	334,104	119,312	245,645	364.957	91,476	216,914	308,390	162,392	230,814	393,206	67,691	286,130	353,821	75,433	226,702	302,135
Total Europe ..	443,406	581,371	1,024,777	427,774	645,109	1,072,883	334,279	476,848	811.127	290,601	456,560	747.161	145,664	462,091	607,755	139,757	393,101	532,858
China, Straits, &c.	....	....	15,480	....	....	16,252	....	....	12,587	....	....	13,452	....	....	9,585	....	....	6,792
Calcutta, &c.. ..	....	..	....	....	....	....	....	....	4,927	....	....	13,304	....	....	16,902	....	....	13,858
Total ..	....	....	1,040,257	....	....	1,089.135	....	....	829 640	....	....	773.917	....	....	634.242	....	....	553.508

January 1 to December 31.

Great Britain ..	371,537	477,168	848,705	330,224	479,216	809,440	248.549	331,147	579,696	136.266	255,389	391,655	89,842	231,142	320,984	65,136	195,609	260,745
Continent.. ..	112,342	275,835	388,177	122,637	309,449	432,086	123,340	280,555	404,495	164,531	283,278	447,809	67,691	337,809	405,500	75,433	305,280	380,713
Total Europe ..	483,879	753,003	1,236,882	452,861	788,665	1,241,526	372,489	611,702	984.191	300,797	538,667	839,464	157,533	568,951	726.484	140,569	500,889	641,458
China, Straits, &c.	....	....	19,238	....	....	34,456	....	....	18 525	....	....	22,655	....	....	14,882	....	.. .	15,045
Calcutta, &c.. ..	....	....	....	....	....	....	....	....	9.752	....	....	22,957	....	....	29,560	....	....	19,963
Total ..	....	....	1,256,120	....	....	1,275,982	....	....	1,012,468	....	....	885,076	....	....	770,926	....	....	676,466

No. 35—(*Continued.*)

January 1 to June 30.

To	1880.			1881.			1882.			1883.			1884.			1885.		
	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.
Great Britain ..	54,119	278,032	332,151	46,182	193,302	239,484	146,445	544,678	691,123	60,089	335,775	395,864	31,944	440,436	472,380	5,750	198,957	204,707
Continent ..	39,075	393,945	433,020	97,166	380,158	477,324	49,505	494,514	544,019	77,203	635,160	712,363	64,976	530,915	595,891	10,050	412,886	422,936
Total Europe ..	93,194	671,977	765,171	143,348	573,460	716,808	195,950	1,039,192	1,235,142	137,292	970,935	1,108,227	96,920	971,351	1,068,271	15,800	611,843	627,643
China, Straits, &c.	....	....	7,768	....	....	29,799	....	....	42,928	....	.. .	38,773	....	....	51,704	....	....	24,865
Calcutta, &c. ..	....	....	11,084	....	....	14,012	....	....	12,553	....	....	20,345	....	....	21,722	....	....	19,291
Total ..	....	....	784,023	....	....	760,619	....	....	1,290,623	....	....	1,167,345	....	....	1,141,697	....	....	671,799

January 1 to December 31.

Great Britain ..	62,506	317,426	379,932	58,563	316,408	374,976	154,784	653,132	807,916	60,139	439,969	500,108	35,376	498,699	534,075	5,750	228,906	234,656
Continent.. ..	51,737	490,381	542,118	115,114	512,674	627,788	49,505	604,086	653,591	79,653	755,707	835,360	64,976	632,006	696,982	10,050	497,449	507,499
Total Europe ..	114,243	807,807	922,050	173,683	829,082	1,002,764	204,289	1,257,218	1,461,507	139,792	1,195,676	1,335,468	100,352	1,130,705	1,231,057	15,800	726,355	742,155
China, Straits, &c.	....	....	15,476	....	....	50,826	....	....	60,812	....	....	49,567	....	....	61,412	....	....	29,064
Calcutta, &c. ..	....	....	19,675	....	....	25,779	.. .	....	30,573	....	....	36,347	....	....	37,739	....	....	35,623
Total ..	....	....	957,201	....	....	1,079,369	....	....	1,552,892	....	....	1,421,382	....	....	1,330,208	....	....	806,842

January 1 to June 30.

To	1886.			1887.			1888.			1889.			1890.		
	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.
Great Britain ..	18,146	273,026	291,172	8,150	335,480	343,630	....	194,459	194,459	. ..	348,258	348 258	....	.. .	....
Continent	27,499	575,138	602,637	28,145	596,256	624,401	1,100	553,495	554,595	....	799,824	799,824	....	....	....
Total Europe ..	45,645	848,164	893,809	36,295	931,736	968,031	1,100	747,954	749,054	....	1,148,082	1,148,082	....	....	....
China, Straits, &c.	....	....	20,667	....	....	11,244	....	....	7,742	....	....	....	....	....	....
Calcutta, &c. ..	....	....	19,072	....	....	15,551	....	....	15,089	....	....	....	....	....	....
Total ..	....	....	933,548	....	....	994,826	....	....	771,895	....	....	....	....	....	....

January 1 to December 31.

Great Britain ..	18,586	326,710	345,296	8,215	375,409	383,624	....	232,276	232,276	....	....	....	....	....	....
Continent	27,499	700,621	728,120	28,145	700,162	728,307	1,100	653,671	654,771	.. .	....	....	....	....	....
Total Europe ..	46,085	1,027,331	1,073,416	36,360	1,075,571	1,111,931	1,100	885,947	887,047	....	....	....	....	....	....
China, Straits, &c.	....	....	22,958	....	....	29,727	....	....	13,633	....	....	....	....	....	....
Calcutta, &c. ..	....	....	30,281	....	....	32.171	....	....	33,456	....	....	....	....	....	....
Total ..	....	....	1,127,195	....	....	1,173,829	....	....	934,136	....	....	....	....	....	....

No. 36.

Ports in Europe to which Cotton was shipped from Bombay from 1876.

In Bales of 392 lbs. net.

January 1 to December 31.

To	1889.	1888.	1887.	1886.	1885.	1884.	1883.	1882.	1881.	1880.	1879.	1878.	1877.	1876.
Liverpool	....	158,394	283,727	243,465	16,0363	437,717	399,892	692,587	286,340	342,364	244,283	311,647	383,782	542,587
London	....	71,282	97,582	100,601	68,873	87,199	99,916	115,329	86,836	37,568	13,977	9,337	5,223	7,140
Hull	....	2,600	2,315	1,230	520	....	300	....	....	....	....	....	....	....
Falmouth (f. o.)	....	....	....	....	4,900	9,159	....	....	1,800	....	2,485	....	2,650	29,969
Total U. K.	....	232,276	383,624	345,296	231,656	534,075	500,108	807,916	374,976	379,932	260,745	320,984	391,655	579,696
Port Said (f. o.)	....	750	4,704	1,110	....	....	50	760	350	....	....	11,041	....	....
Havre	....	42,466	99,986	88,399	56,713	135,230	100,530	104,658	134,241	96,433	97,980	106,248	166,840	142,381
Dunkirk	....	19,385	32,795	28,596	25,710	26,000	23,231	13,145	2,100	450	....	300	....	500
Calais	....	....	....	....	....	....	....	....	....	600	....	....	....	....
Marseilles	....	11,815	9,098	8,431	3,384	4,003	13,065	19,281	29,862	35,465	21,646	14,311	17,184	11,249
Total France	....	73,666	141,879	125,426	85,807	164,233	136,926	137,084	166,203	132,948	119,626	120,859	184,024	161,130
Gothenburg	....	1,200	600	200	....	....	....	....	....	4,800	....	....	....	....
Minor Ports	....	*600	....	.....	....	....	....	..	....	....	....	....	....	....
Total Sweden	....	1,800	600	200	....	....	....	....	....	4,800	....	....	....	....
Christiana (Total Norway)	....	100	500	....	....	400	....	....	....	....	....	....	....	....
Hamburg	....	12,296	3,370	715	100	....	1,710	....	320	....	....	....	10	....
Bremen	....	....	7,848	8,999	....	23,086	36,161	31,184	61,666	24,322	14,650	13,445	27,993	19,415
Total Germany	....	12,296	11,218	9,714	100	23,086	37,871	31,184	61,986	24,322	14,650	13,445	28,003	19,415
Amsterdam (Total Holland)	....	710	10,350	1,749	....	1,985	6,016	....	10,723	7,302	17,138	17 683	14,161	27,727
Antwerp	....	157,144	172,340	164,829	132,241	125,654	138,486	62,988	19,722	3,050	500	650	1,827	2,100
Ghent	....	10,682	10,770	9,416	...	....	....	....	....	....	....	....	....	....
Total Belgium	....	167,826	183,110	174,245	132,241	125,654	138,486	62,988	19,722	3,050	500	650	1,827	2,100
Barcelona (Total Spain)	....	8,709	6,850	7,000	6,950	11,175	21,836	20,709	12,849	38,378	3,150	15,595	6,395	3,956
Genoa	....	99,705	97,063	103,475	82,809	105,381	126,840	107,272	74,028	65,653	49,382	34,193	35,342	17,878
Leghorn	....	2,500	2,750	1,000	....	....	....	....	....	....	....	....	....	3
Naples	....	17,318	18,056	24,316	19,810	30,310	32,512	24,972	24,700	20,280	20,443	21,369	21,705	12,522
Ancona	....	....	....	....	....	....	....	....	....	1	....	....	....	....
Venice	....	59,702	40,310	66,588	62,327	63,299	95,818	92,866	95,283	81,707	50,022	59,711	44,416	49,070
Total Italy	....	179,225	158,179	195,379	164,946	198,990	255,170	225,110	194,011	167,641	119,847	115,273	101,463	79,473
Trieste (Total Austria)	....	178,426	184,636	187,515	114,705	157,965	218,680	167,311	157,249	150,957	105,302	102,917	105,052	117,732
Piræus (Total Greece)	....	1,000	1,400	550	1,050	1,800	3,000	2,845	245	....	....	....	....	....
Odessa	....	29,513	24,881	25,232	1,700	11,694	17,325	5,600	4,500	12.720	500	500	600	9,250
St. Petersburg } Russia	....	750	....	....	....	....	....	....	....	....	....	....	....	....
Revel	....	....	....	....	....	....	....	....	....	....	....	7,537	8,904	7,865
Total United Kingdom	....	232,276	383,624	345 296	234 656	534,075	500,108	807,916	374,976	379,932	260,745	320,984	391,655	579,696
Total Continent	....	654,771	728,307	728,120	507,499	696,982	835,360	653,591	627,788	542,118	380,713	405,500	447,809	404,495
Total Europe	....	887,047	1,111,931	1,073,416	742,155	1,231,057	1,335,468	1,461,507	1,002,764	922,050	641,458	726,484	839,464	984,191

* 200 bales Malmo, 300 Norkoping and 100 Nykoping (shipped *via* Hull.)

No. 37.

Exports (Clearances) of Cotton from Bombay to Ports in Europe in each half-year and Calendar year.

In Bales.

Destination.	1890.			1889.			1888.			1887.			1886.			1885.		
	Jan. 1 to June 30	July 1 to Dec. 31	Year.	Jan. 1 to June 30	July 1 to Dec. 31	Year.	Jan. 1 to June 30	July 1 to Dec. 31	Year.	Jan. 1 to June 30	July 1 to Dec. 31	Year.	Jan. 1 to June 30	July 1 to Dec. 31	Year.	Jan. 1 to June 30	July 1 to Dec. 31.	Year.
Liverpool	....	....	....	269,266	....	....	131,630	26,764	158,394	253,016	30,711	283,727	201,548	41,917	243,465	138,665	21,698	160,363
London	....	....	....	77,892	....	....	60,429	10,853	71,282	88,499	9,083	97,582	88,394	12,207	100,601	60,622	8,251	68,873
Hull	....	....	....	1,100	....	....	2,400	200	2,600	2,115	200	2,315	1,230	....	1,230	520	....	520
Falmouth (f.o.)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4,900	....	4,900
Port Said (f.o.)	....	....	....	....	....	....	200	550	750	1,555	3,149	4,704	1,110	....	1,110	....	....	....
Havre	....	....	....	103,694	....	....	39,342	3,124	42,466	88,892	11,094	99,986	71,633	16,766	88,399	52,176	4,537	56,713
Dunkirk	....	....	....	28,405	....	....	18,005	1,380	19 385	29,825	3,470	32,795	21,950	6,646	28,596	25,160	550	25,710
Marseilles	....	....	....	10,570	....	....	9,515	2,300	11,815	5,698	3,400	9,098	6,146	2,285	8,431	2,959	425	3,384
Gothenburg	....	....	....	2,200	....	....	600	600	1,200	500	100	600	200	....	200	....	....	....
Other Swedish Ports	....	....	....	500	....	....	400	....	400	....	....	....	....	....	....	....	....	....
Christiana	....	....	....	100	....	....	50	50	100	500	....	500	....	....	....	....	....	....
Hamburg	....	....	....	54,448	....	....	11,966	330	12,296	2,875	495	3,370	715	....	715	....	100	100
Bremen	....	....	....	2,250	....	....	....	....	....	7 848	....	7,848	8,999	....	8,999	....	....	....
Amsterdam	....	....	....	....	....	....	710	....	710	10,350	....	10,350	1,749	....	1,749	....	....	....
Antwerp	....	....	....	188,773	....	....	127,191	29,953	157,144	155,055	17,285	172,340	143,332	21,497	164,829	115,211	17,030	132,241
Ghent	....	....	....	11,122	....	....	10,582	100	10,682	10,770	....	10,770	9,416	....	9 416	....	....	....
Barcelona	....	....	....	13,059	....	....	7,627	1,082	8,709	5,200	1,650	6,850	6,400	600	7,000	6,450	500	6,950
Genoa	....	....	....	102,698	....	....	77,936	21,769	99,705	79,096	17,967	97,063	79,943	23,532	103,475	60,009	22,800	82,809
Leghorn	....	....	....	3,500	....	....	2,500	....	2,500	2,750	....	2,750	1,000	....	1,000	....	....	....
Naples	....	....	....	14,400	....	....	12,900	4,418	17,318	12,600	5,456	18,056	19,698	4,618	24,316	14,810	5,000	19,810
Venice	....	....	....	49,132	....	....	52,960	6,742	59,702	32,785	7,525	40,310	50,840	15,748	66,588	40,147	22,180	62,327
Trieste	....	....	....	179,683	....	....	153,398	25,028	178,426	157,957	26,679	184,636	159,556	27,959	187,515	103,264	11,441	114,705
Piræus	....	....	....	520	....	....	1,000	....	1,000	1,400	....	1,400	550	....	550	1,050	....	1,050
Odessa	....	....	....	34,770	....	....	26,763	2,750	29,513	19,245	5,636	24,881	19,400	5,832	25,232	1,700	....	1,700
St. Petersburg	....	....	....	....	....	....	750	....	750	....	....	....	....	....	....	....	....	....
Total U. K.	....	....	....	345,258	....	....	194,459	37,817	232,276	343,630	39,994	383,624	291,172	54,124	345,296	204,707	29,949	234,656
Total Continent	....	....	....	799,824	....	....	554,595	100,176	654,771	624,401	103,906	728,307	602,637	125,483	728,120	422,936	84,563	507,499
Grand Total	....	....	....	1,148,082	....	....	749,054	137,993	887,047	968,031	143,900	1,111,931	893,809	179,607	1,073,416	627,643	114,512	742,155
Via Cape	....	....	....	....	....	....	1,100	....	1,100	36,295	65	36,360	45,645	440	46,085	15,800	....	15,800
Via Canal	....	....	....	1,148,082	....	....	747,954	137,993	885,947	931,736	143,835	1,075,571	848,164	179,167	1,027,331	611,843	114,512	726,355

No. 37—(*continued*).

Destination.	1884.			1883.			1882.			1881.		
	Jan. 1 to Jan 30,	July 1 to Dec. 31.	Year.	Jan. 1 to June 30.	July 1 to Dec. 31.	Year.	Jan. 1 to June 30.	July 1 to Dec. 31.	Year.	Jan. 1 to June 30.	July 1 to Dec. 31.	Year.
Liverpool	393,283	44,434	437,717	319,824	80,068	399,892	607,895	84,692	692,587	194,821	91,519	286,340
London	69,938	17,261	87,199	75,740	24,176	99,916	83,228	32,101	115,329	41,310	45,526	86,836
Hull	....	....	....	300	....	300	....	....	....	....	....	....
Falmouth (f. o.)	9,159	....	9,159	....	....	....	....	....	....	1,800	....	1,800
Port Said (f. o.)	....	....	....	....	50	50	50	710	760	300	50	350
Havre	123,039	12,191	135,230	85,955	14,575	100,530	93,518	11,140	104,658	114,840	19,401	134,241
Dunkirk	21,750	3,250	25,000	19,331	4,000	23,331	12,395	750	13,145	1,100	1,000	2,100
Marseilles	3,278	725	4,003	11,920	1,145	13,065	16,499	2,782	19,281	20,356	9,506	29,862
Gothenburg	.....	....	....	....	....	....	....	....	....	....	....	....
Other Swedish Ports	....	....	....	....	....	....	....	....	....	....	....	....
Christiana	400	....	400	....	....	....	....	....	....	....	....	....
Hamburg	....	....	....	....	1,710	1,710	....	....	....	....	320	320
Bremen	23,086	....	23,086	36,161	....	36,161	31,184	....	31,184	51,547	10,069	61,616
Amsterdam	1,985	....	1,985	6,016	....	6,016	....	....	....	10,323	399	10,722
Antwerp	112,538	13,116	125,654	110,225	28,261	138,486	57,722	5,266	62,988	17,972	1,750	19,722
Ghent	....	....	....	....	....	....	....	....	....	....	....	....
Barcelona	10,550	625	11,175	20,936	900	21,836	17,463	3,246	20,709	11,200	1,649	12,849
Genoa	83,893	21,488	105,381	107,864	18,976	126,840	80,704	26,568	107,272	51,588	22,440	74,028
Leghorn	....	....	....	....	....	....	....	....	....	....	....	....
Naples	21,085	9,225	30,310	26,862	5,650	32,512	20,849	4,123	24,972	17,550	7,150	24,700
Venice	44,253	19,046	63,299	77,828	17,990	95,818	67,773	25,093	92,866	60,030	35,253	95,283
Trieste	137,434	20,531	157,965	190,640	28,040	218,680	137,567	29,744	167,311	116,814	40,535	157,349
Piræus	1,800	....	1,800	3,000	....	3,000	2,845	....	2,845	205	40	245
Odessa	10,800	894	11,694	15,625	1,700	17,325	5,450	150	5,600	3,500	1,000	4,500
St. Petersburg	....	....	....	....	....	....	....	....	....	....	....	....
Total U. K.	472,380	61,695	534,075	395,864	104,244	500,108	691,123	116,793	807,916	237,931	137,045	374,976
Total Continent ..	595,891	101,091	696,982	712,363	122,997	835,360	544,019	109,572	653,591	477,325	150,562	627,887
Grand Total ..	1,068,271	162,786	1,231,057	1,108,227	227,241	1,335,468	1,235,142	226,365	1,461,507	715,256	287,607	1,002,863
Via Cape	96,920	3,432	100,352	137,292	2,500	139,792	195,950	8,339	204,289	143,348	30,634	173,982
Via Canal	971,351	159,354	1,130,705	970,935	224,741	1,195,676	1,039,192	218,026	1,257,218	571,908	256,973	828,881

No. 38.

Exports (Clearances) of Cotton from Bombay to Europe, in each Season, (July 1 to June 30.)

Destination.	1889-90.	1888-89.	1887-88.	1886-87.	1885-86.	1884-85.	1883-84.	1882-83.	1881-82.
Liverpool	..	296,030	162,341	294,933	223,246	183,099	473,351	404,516	699,414
London	..	88,745	69,512	100,706	96,645	77,883	94,114	107,841	128,754
Hull	..	1,300	2,600	2,115	1,230	520	..	300	..
Falmouth (f. o.)	..	..	..	..	..	4,900	3,159	..	..
Port Said (f. o.)	..	550	3,349	1,555	1,110	..	50	710	100
Havre	..	106,818	50,436	105,658	76,170	64,367	137,614	97,095	112,919
Dunkirk	..	29,785	21,475	35,971	22,500	28,410	25,750	20,081	13,395
Marseilles	..	12,870	12,915	7,983	6,571	3,684	4,423	14,702	26,095
Gothenburg	..	2,800	700	500	200	..	..	..	..
Other Swedish Ports	..	(*1*) 500	(*2*) 600	..	..	..	..	..	..
Christiana	..	150	50	500	..	..	400	..	..
Hamburg	..	54,778	12,461	2,875	815	..	1,710	..	320
Bremen	..	2,250	..	7,848	8,999	..	23,086	36,161	41,253
Amsterdam	..	..	710	10,350	1,749	..	1,985	6,916	399
Antwerp	..	218,726	144,476	176,552	160,362	128,327	140,799	115,491	59,472
Ghent	..	11,222	10,582	10,770	9,416	..	..	..	..
Barcelona	..	14,141	9 277	5,800	6,900	7,075	11,450	24,182	19,112
Genoa	..	124,467	95,903	102,628	102,743	81,497	102,869	134,432	103,144
Leghorn	..	3,500	2,500	2,750	1,000	..	..	..	..
Naples	..	18,818	18,356	17,218	24,698	24,035	26,735	30,985	27,999
Venice	..	55,874	60,485	48,533	73,020	59,193	62,243	102,921	103,026
Trieste	..	204,711	180,077	185,916	170,997	123,795	165,474	220,384	178,102
Piræus	..	520	1.000	1,400	550	1,050	1,800	3,000	2,885
Odessa	..	37,520	32,399	25,077	19,400	2,594	12,500	15,775	6,450
St. Petersburg	..	..	750	..	..	..	..	..	..
Total U. K.	..	386,075	234,453	397,754	321,121	266,402	576,624	512,657	828,168
Total Continent	..	900,000	658,501	749,384	687,200	524,027	718,888	821,935	694,581
Grand Total	..	1,286,075	892,954	1,147,638	1,008,321	790,429	1,295,512	1,334,592	1,522,749
Via Cape	..	..	1,165	36,735	45,645	19,232	99,420	145,631	226,584
Via Canal	..	1,286,075	891,789	1,110,903	962,676	771,197	1,196,092	1,188,961	1,296,165

(*1*) Malmo 300, Stockholm 200 bales. (*2*) Malmo 200, Narkoping 300, and Nykoping 100.

No. 39.

The Bombay Cotton Trade.

Stocks at the close of each Season in June.

In Thousands of Bales (000's omitted).

Years ending June 30.	Estimated Stocks, beginning of year.			Receipts.	Exports to			Surplus Receipts over Exports.	Mill Consumption.	Balance.	Resulting Stock at close of the year.		
	Bazaar.	Mills.	Total.		Europe.	Elsewhere.	Total.				Bazaar.	Mills.	Total.
1878-79...	100	235	335	832	652	38	690	142	181	— 39	140	156	296
1879-80...	140	156	296	1,171	874	33	907	264	20	+ 44	200	140	340
1880-81...	200	140	340	1,244	873	60	933	311	273	+ 38	150	152	302
1881-82...	150	152	302	1,832	1,522	88	1,610	222	277	— 55	170	187	357
1882-83...	170	187	357	1,770	1,335	95	1,430	340	313	+ 27	165	165	330
1883-84...	165	165	330	1,759	1,296	100	1,396	363	348	+ 15	200	115	315
1884-85...	200	115	315	1,139	791	70	861	278	392	—114	108	321	429
1885-86...	108	321	429	1,480	1,008	61	1,069	411	391	+ 20	150	259	409
1886-87...	150	259	409	1,703	1,147	40	1,187	516	454	+ 62	160	187	347
1887-88...	160	187	347	1,472	893	58	951	521	500	+ 21	165	161	326
1888-89...	165	161	326	1,851	1,286	46	1,332	519	564	— 45	127	153	280
Total...	1,708	2,078	3,786	16,253	11,677	689	12,366	3,887	3,913	— 27	1,735	1,996	3,731
Average...	155	189	344	1,478	1,061	63	1,124	354	356	— 2	158	181	339

KURRACHEE.

The export trade with Europe can scarcely be said to be growing, the bulk of the receipts at Kurrachee being despatched by sea to Bombay. Only about 75,000 acres in Sind are devoted to the cultivation of Cotton, but of late years the exports from the Punjab to Kurrachee have increased. There are no imports by sea.

RECEIPTS AT KURRACHEE.

From	1886.	1887.	1888.
Sind	154,368	355,167	254,418
North-West Provinces	.....	89	.....
Punjab	34,215	92,461	116,836
Total Indian maunds ...	188,583	447,717	371,254
Equivalent in cwts. ...	138,541	328,911	272,737
Equivalent in bales of 3½ cwts. each.	39,583	93,945	77,925

In table No. 40 we give the exports to each port in Europe, to China and to Bombay in each year since 1883. About equal quantities go to Great Britain and the Continent. London is the principal importing port, Antwerp being next, followed by Marseilles. Since 1883 the Cape route has been entirely abandoned.

Table No. 41 gives the total shipments to the United Kingdom and Continent in each year since 1868. The largest export to Europe in any one of these 21 years was in 1887 and 1886, when the quantity despatched was 33,740 bales in the former year and 32,935 bales in the latter.

No. 40.

Exports of Cotton from Kurrachee, 1883 *to* 1887.

In Bales.

Abstract of Vessels' manifests.] [Years ending 31st December.

Destination.	1889.			1888.			1887.			1886.			1885.			1884.			1883.		
	Cape.	Canal.	Total.	Cape.	Canal.	Total.	Cape.	Canal.	Total.	Cape.	Canal.	Total.	Cape.	Canal.	Total.	Cape.	Canal.	Total.	Cape.	Canal.	Total.
Liverpool	..	..	....	..	394	394	..	5,758	5,758	..	3,158	3,158	..	2,500	2 500	..	987	987	..	1,511	1,511
London	..	..	....	..	9,728	9,728	..	14,399	14,399	..	11,597	11,597	..	7,752	7,752	..	1,160	1,160	3,526	4,207	7 733
Marseilles.. ..	..	..	....	..	3,871	3,871	..	4,153	4,153	..	4,183	4,183	..	....	....	..	....	....	..	930	930
Havre	..	..	....	..	500	500	..	500	500	..	400	400	..	850	850	..	....	....	..	....	....
Antwerp	..	..	....	..	6,568	6,568	..	8,637	8,637	..	11,188	11,188	..	11,219	11,219	..	2,220	2,220	..	1,573	1,573
Rotterdam	..	..	....	..	....	....	..	....	....	..	....	....	..	1,179	1,179	..	....	....	..	....	....
Barcelona.. ..	..	..	....	..	....	....	..	....	....	..	1,200	1,200	..	....	....	..	....	....	..	....	....
Genoa	..	..	....	..	....	....	..	....	....	..	1,044	1,044	..	2,181	2,181	..	300	300	..	....	....
Venice	..	..	....	..	....	....	..	....	....	..	....	....	..	....	....	..	900	900	..	....	....
Trieste	..	..	....	..	110	110	..	293	293	..	165	165	..	375	375	..	330	330	..	....	....
St. Petersburg..	..	..	....	..	50	50	..	....	....	..	....	....	..	....	....	..	....	....	..	....	....
Port Said (f. o). ..	..	..	....	..	500	500	..	....	....	..	....	....	..	....	....	..	....	....	..	....	....
Total U. K. ..	..	..	....	..	10,122	10,122	..	20,157	20.157	..	14,755	14,755	..	10,252	10,252	..	2,147	2,147	3,526	5,718	9,244
Total Continent.	..	..	....	..	11,599	11,599	..	13,583	13,583	..	18,180	18,180	..	15,804	15.804	..	3,750	3,750	..	2,503	2,503
Total Europe ..	..	..	....	..	21,721	21,721	..	33 740	33,740	..	32,935	32,935	..	26,056	26,056	..	5,897	5,897	3,526	8,221	11,747
China..	..	..	....	..	....	2,615	..	....	6,453	..	....	7,155	..	....	2,543	..	....	3,597	..	....	1,529
Total Foreign Ports.. ..	..	..	....	..	....	24,336	..	....	40,193	..	....	40,090	..	....	28,599	..	....	9,494	..	....	13,276
Bombay	..	..	....	..	....	52,717	..	....	51,071	..	....	33,933	..	....	39,272	..	....	36,160	..	....	29,831
Total ..	..	..	....	..	....	77,053	..	....	91,264	..	....	74,023	..	....	67,871	..	....	45,654	..	....	43,107

No. 41.

Exports of Cotton from Kurrachee to Europe only.

In Bales.

[Years ending 31st December.

Year.	United Kingdom.	Continent.	Total.	Year.	United Kingdom.	Continent.	Total.
1868.....	23,424	618	24,042	1879	10,722	2,040	12,762
1869.....	16,734	7,796	24,530	1880	14,855	4,197	19,052
1870.....	19,417	665	20,082	1881	13,269	881	14,150
1871.....	20,873	1,306	22,179	1882	23,495	3,968	27,463
1872.....	15,330	2,311	17,641	1883	9,244	2,503	11,747
1873.....	9,779	.....	9,779	1884	2,147	3,750	5,897
1874.....	475	15	490	1885	10,252	15,804	26,055
1875.....	12,188	5,698	17,886	1886	14,755	18,180	32,935
1876.....	2,534	7	2,541	1887	20,157	13,583	33,740
1877.....	11,660	350	12,010	1888	10,122	11,599	21,721
1878.....	13,170	500	13,670	1889	.....	.....	.....

CALCUTTA.

THOUGH agricultural statistics, more especially regarding Cotton, have now been procured from nearly all the provinces in India, the solitary exception is Bengal. It is perhaps fortunate, therefore, that so little of the staple is grown in the Lower Provinces, the total area devoted to it being estimated at but 162,000 acres.

Table No. 42 gives the number of bales shipped to each port in Europe [and also the quantity despatched to China and other foreign countries] distinguishing Cape and Canal exports in each year since 1870. London continues to be the most important receiving port, though in the past two years Hamburg has come rapidly to the front. Genoa, Venice, Antwerp and Trieste follow in the order named. A little Cotton still goes *via* Cape from Calcutta, but from no other Indian port.

Table No. 43 is a summary of the previous one, while table No. 47 shows the receipts at Calcutta from the principal stations on the East Indian and connecting Railways. Before the Great Indian Peninsula Railway was opened through to Jubbulpore, its junction with the East Indian Railway, very little of the Cotton known as "Bengals" found its way to Bombay, while the bulk of the produce of the Central Provinces also went to Calcutta. The completion of the Great Indian Peninsula Railway to its junction with the East Indian Railway gave an impetus to the trade between the North-West Provinces and Bombay, and this was further increased when the Rajputana Railway was completed to Agra and Delhi on the one side, and to Ahmedabad, its junction with Bombay, Baroda and Central India Railway, on the other. The result was a considerable diversion of the traffic from Calcutta to Bombay, while the effect on Rajputana was so marked that that Province and Central India combined, now send to Bombay even more Cotton than the Punjab and North-West Provinces put together. Where, and to what extent, the two great ports of India and Kurrachee compete in her internal provinces for the Cotton trade is shown as under. The periods stated are for calendar years:—

Despatched to—	*N.-W. Provinces and Oudh.*	*Punjab.*	*Rajputana and Central India.*	*Central Provinces.*
		1886.		
Bombay	508,689	133,550	661,754	100,152
Kurrachee	.....	34,215	....	.....
Calcutta	856,247	99,231	24,749	2,166
Total maunds...	1,364,936	266,996	686,503	102,318
Equivalent in cwts...	1,002,737	196,146	504,333	75,167
Equivalent in bales of 3½ cwts. each ..	286,496	56,042	144,095	21,476
		1887.		
Bombay	350,474	98,409	829,711	37,050
Kurrachee	89	92,461	.....	.....
Calcutta	966,618	138,823	44,479	848
Total maunds ...	1,317,181	329,693	874,190	37,898
Equivalent in cwts..	967,655	242,206	642,216	27,842
Equivalent in bales of 3½ cwts. each...	276,473	69,202	183,490	7,955

1888.

Despatched to—	*N.-W. Provinces and Oudh.*	*Punjab.*	*Rajputana and Central India.*	*Central Provinces.*
Bombay	426,393	118,902	594,410	71,196
Kurrachee	.....	116,836	.....	.....
Calcutta	478,433	67,184	16,802	.....
Total maunds...	904,826	302,922	611,212	71,196
Equivalent in cwts.	664,721	222,539	449,020	52,308
Equivalent in bales of 3½ cwts. each	189,920	63,583	128,291	14,945

Of the Calcutta trade in the earlier years, we have not so far come across complete returns, but in 1819, out of 67,263 bales (of 300 lbs. each), 36,203 bales went to Europe (2,724 bales to the Continent), 28,820 bales to China, 1,448 bales to America and 792 bales to other ports. Three years later only 21,778 bales were shipped, 3,405 bales to Europe (wholly to the United Kingdom), 17,590 bales to China, and 783 bales elsewhere. In the following year, 1823, the exports had fallen to 15,816 bales, of which the United Kingdom received 2,862 bales, China 12,823 bales and other ports 131 bales. Of the succeeding three years we have no returns, but in 1827 the exports to United Kingdom were 62,610 bales, the shipments to other ports not being given. In 1828 as many as 92,648 bales left for Great Britain, but of the despatches elsewhere, all we have met with, is that of 80,288 in the first six months to China. We have no records again till 1831, when 5,014 bales went to the United Kingdom and 45,212 bales to China : total 50,226 bales. In 1832 only 2,577 bales left for Great Britain and 32,665 bales for China : total 35,242 bales; and lastly in 1836 when the total exports were 120,379 bales, of which China's share was no less than 114,136 bales and England's but 6,243 bales. Of the exports in the following 34 years, we have met with no returns, but in table No. 42, as previously stated, the trade since 1870 is shown. We question if the shipments of 1871 from the Hooghly had previously been exceeded ? Of the 366,907 bales, no less than 320,398 bales went to Europe, but 46,298 bales being sent to China. In the following year the exports were less than half, while between 1873 and 1878 they averaged only 66,000 bales. In the next four years they rose again to a mean of 196,500 bales, but dropped in the four succeeding ones to an average of nearly 140,000 bales. In 1887 the shipments were the largest recorded since 1871, being over 241,000 bales, but in 1888 they again dropped to 119,000 bales. In the last two years the despatches to the Continent have exceeded those to the United Kingdom and China's requirements have declined to about 20,000 bales annually.

In tables Nos. 44, 45 and 46 we give the monthly receipts at Calcutta by Sea in the years 1886, 1887 and 1888.

In tables Nos. 48 to 53, we give extracts from official returns, for *official years* (ending 31st March), of the imports and exports from Calcutta in cwts., of the routes by which the port received her supplies and also despatched the surplus of the Provinces which were drawn upon for Cotton and the districts in Bengal which despatched the staple to Calcutta.

No. 42.

Exports of Cotton from Calcutta since 1883.

Compiled from Vessels' Manifests.] In Bales. [Years ending 31st December.

Destination.	1889.			1888.			1887.			1886.			1885.			1884.			1883.		
	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.
Liverpool	..	..	..	..	1,618	1,618	3,049	19,298	22,347	..	2,215	2,215	..	1,445	1,445	830	1,248	2,078	50	900	950
London	..	..	..	5,264	22,323	27,587	18,054	57,520	75,574	12,118	68,152	80,270	4,384	58,560	62,944	8,660	72,236	80,896	31,397	59,102	90,499
Falmouth (f. o.)	..	..	..	..	..	..	..	..	..	429	..	429	..	..	..	..	..	..	..	..	..
Marseilles	..	..	..	..	732	732	..	247	247	..	54	54	..	1	1	..	..	..	..	100	100
Dunkirk	..	..	..	..	1063	1,063	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..
Havre	..	..	..	..	..	..	6,520	6,540	13,060	9,397	9,809	19,206	..	699	699	12,127	11,274	23,401	..	400	400
Antwerp	..	..	..	..	7,562	7,562	..	18,371	18,371	..	5,596	5,596	..	2,814	2,814	..	600	600	..	700	700
Ghent	..	..	..	..	1,515	1,515	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Amsterdam	..	..	..	..	..	..	..	..	..	..	..	..	..	513	513	..	..	..	..	..	..
Bremen	..	..	..	..	956	956	..	3,017	3,017	..	2,465	2,465	..	918	918	..	60	60	635	..	635
Hamburg	..	..	..	..	23,224	23,224	2,170	32,820	34,990	..	3,494	3,494	..	532	532	..	..	..	..	..	..
Barcelona	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,000	1,000
Genoa	..	..	..	..	11,484	11,484	..	20,203	20,203	..	4,652	4,652	..	11,720	11,720	..	13 764	13,764	..	4,693	4,693
Naples	..	..	..	..	..	..	..	500	500	..	..	..	..	..	..	..	1,238	1,238	..	..	..
Ancona	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	200	200
Venice	..	..	..	..	10,565	10,565	..	19,173	19,173	..	3,195	3,195	..	1,834	1,834	..	250	250	..	900	900
Trieste	..	..	..	..	5,515	5,515	..	14,107	14,107	..	2,202	2,202	..	1,783	1,783	..	..	..	..	680	680
Piræus	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Odessa	..	..	..	..	1,102	1,102	..	..	..	..	..	..	..	..	..	..	..	..	..	100	100
Port Said (f. o.)	..	..	..	..	..	..	..	3,811	3,811	..	..	..	..	..	..	..	..	..	..	..	..
Total U. K.	..	..	..	5,264	23,941	29,205	21,103	76,818	97,921	12,547	70,367	82,914	4,384	60,005	64,389	9,490	73,484	82,974	31,447	60,002	91,449
Total Continent.	..	..	..	..	63,718	63,718	8,690	118,789	127,479	4,397	31,467	40,864	..	20,814	20,814	12,127	27,187	39,314	635	8,773	9,408
Total Europe	..	..	..	5,264	87,659	92,923	29,793	195,607	225,400	21,944	101,834	123,778	4,384	80,819	85,203	21,617	100,671	122,288	32,082	68,775	100,857
America	..	..	..	..	..	..	..	..	100	..	..	121	..	..	..	..	..	..	..	..	..
Australia	..	..	..	..	..	1,353	..	..	195	..	..	1,269	..	..	1,122	..	..	629	..	..	400
China, &c.	..	..	..	..	..	24,731	..	..	15,332	..	..	24,701	..	..	25,962	..	..	27,139	..	..	45,256
Total Foreign Ports.	..	..	..	..	..	119,007	..	..	241,088	..	..	149,869	..	..	112,287	..	..	150,056	..	..	146,513
Indian Ports	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..
Total	..	..	..	..	..	119,007	..	..	241,088	..	..	149,869	..	..	112,287	..	..	150,058	..	..	146,513

No. 42 — (*continued*).

Destination.	1882.			1881.			1880.			1879.	1878.	1877.	1876.	1875.	1874.	1873.	1872.	1871.	1870.
	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.										
Liverpool	1,082	2,073	3,155	3,428	1,575	5,003	544	2,436	1,980	112,345	43,289	5,767	37,637	13,664	25,675	18,765	96,442	226,090	84,918
London	32,455	80,600	113,055	30,635	71,411	102,046	17,775	84,915	102,690										
Falmouth (f.o.)	..	..	..	5,433	..	5,433	1,001	..	1,001										
Marseilles	..	2,600	2,000	..	4,168	4,168	..	5,872	5,872										
Dunkirk	..	..	..	..	..	..	..	..	..	14,773	574	134	736	2,438	3,605	2,037	8,814	36,623	5,908
Havre	7,044	2,394	9,438	3,865	7,992	11,857	..	409	409										
Antwerp	..	1,548	1,548	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11,785	..
Ghent	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Amsterdam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bremen	..	..	..	1,475	..	1,475	..	..	..	..	..	..	..	..	..	..	2,538	24,443	..
Hamburg	2,400	..	2,400	..	..	..	..	..	..	..	..	..	..	..	..	..	167	2,544	4,799
Barcelona	..	..	..	..	..	..	..	75	75	67	..	..	..	..	..	..	..	..	..
Genoa	..	6,556	6,556	..	5,803	5,803	..	5,832	5,832	4,559	555	33	67	708	2,706	33	..	..	..
Naples	..	380	380	..	721	721	..	..	..	1,016	..	..	..	9	289				
Ancona	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	837	3,452	5,178	407
Venice	..	4,160	4,160	..	989	989	..	1,312	1,312	20	123	..	..	262	1,294				
Trieste	..	10,180	10,180	..	11,229	11,229	..	10,616	10,616	8,535	4,838	274	2,015	268	5,119	253	6,800	13,738	5,928
Piræus	..	820	820	..	241	241	..	150	150	..	..	..	..	..	..	..	..	..	..
Odessa	..	100	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Port Said (f. o.)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total U. K.	33,537	82,673	116,210	39,496	72,956	112,482	19,320	87,351	106,671	112,345	43,289	5,767	37,637	13,664	25,675	18,765	96,442	226,090	84,918
Total Continent	9,444	28,138	37,582	5,340	31,143	36,483	..	24,266	24,266	28,970	6,100	441	2,818	3,685	12,983	3,160	21,771	94,308	17,042
Total Europe	42,981	110,811	153,792	44,836	104,129	148,965	19,320	111,617	130,937	141,315	49,389	6,208	40,455	17,349	38,658	21,925	118,213	320,398	101,960
America	..	..	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Australia	..	..	377	..	..	123	..	..	54	..	..	..	..	..	..	..	..	..	..
China, &c.	..	..	38,823	..	..	45,925	..	..	65,602	60,586	36,493	17,689	37,326	60,266	17,343	52,910	60,027	46,509	73,622
Total Foreign Ports	..	..	192,992	..	..	195,013	..	..	196,593	201,901	85,882	23,897	77,781	77,615	56,003	74,835	178,240	366,907	175,582
Indian Ports	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

No. 43.

Exports of Cotton from Calcutta to Foreign Ports.

In Bales.

Year.	United Kingdom.			Continent.			Total.			China.	Other Ports.	Total Bales.
	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.			
1870...	...	...	84,918	...	...	17,042	...	...	101,960	73,415	207	175,582
1871...	...	...	226,090	...	...	94,308	...	...	320,398	46,298	211	366.907
1872 ..	...	...	96,442	...	...	21,771	...	...	118,213	59,976	51	178,240
1873...	...	...	18,765	...	...	3,160	...	...	21,925	52,824	86	74,835
1874...	...	...	25,675	...	...	12,983	...	...	38,658	17,291	52	56,003
1875...	...	...	13.664	...	...	3,685	...	...	17,349	60,033	233	77,615
1876...	...	...	37,637	...	...	2,818	...	...	40,455	37,313	13	77 781
1877...	...	..	5,767	...	...	441	...	...	6,208	17,662	27	23,897
1878...	...	...	43.289	...	...	6.100	...	...	49.389	36.476	17	85,882
1879...	...	...	112,345	...	...	28,970	...	...	141,315	60.551	35	201,901
1880...	19,320	87,351	106,671	...	24,266	24,266	19,320	111,617	130 937	65,600	56	196.593
1881...	39 496	72,986	112,482	5 340	31,143	36.483	44,836	104,129	148,965	45.897	151	195.013
1882 ..	33,537	82,673	116,210	9,444	28,138	37,582	42,981	110,811	153,792	38 537	663	192,992
1883...	31 447	60.002	91.449	635	8,773	9 408	32.082	68,775	100,857	45,256	400	146,513
1884...	9,490	73,484	82,974	12,127	27.187	39,314	21,617	100,671	122,288	27.139	629	150,056
1885...	4,384	60,005	64,389	...	20,814	20,814	4,384	80,819	85,203	25,962	1, 222	112.287
1886...	12.547	70.367	82.914	4,397	31,467	40,864	21,944	101.834	123,778	24,701	1,390	149,869
1887...	21,103	76,818	97,921	8,690	118,789	127,479	29,793	195,607	225,400	15,332	295	241,088
1888...	5,264	23,941	29,205	...	63,718	63,718	5,264	87,659	92,923	24,451	280	119,007
1889...	...	...	...	...	...	...	...	...	...	...	...	...

No. 44.

Imports of Cotton by Sea into Calcutta.

During 1886.

1886.	From									Total cwts.
	Bombay.	Madras.	Carwar.	Rangoon.	Marmagoa.	Akyab.	Chittagong.	Ceylon.	Other Ports.	
January	9,683	528	...	...	...	...	310	...	...	10,521
February	13,230	833	...	...	...	...	116	...	...	14.179
March...	10.724	334	...	477	...	...	525	...	...	12.060
April	12,765	...	...	517	...	...	576	...	...	13,858
May	19,248	617	...	41	...	...	1,416	...	...	21,322
June	14 667	1,579	...	68	...	...	142	...	...	16,456
July	3,683	1,131	...	150	...	...	155	...	...	5,119
August	5,386	1,999	...	1,452	...	...	...	...	...	8,767
September... ...	6,248	5 637	...	114	...	...	693	208	...	12,900
October	7,757	3,234	...	3,406	...	...	166	66	...	14.629
November	7.743	526	...	2,391	...	...	101	19	...	10,780
December	7,278	1,101	1,525	381	...	...	103	255	...	10,643
Total cwts....	118,412	17,449	1,525	8,997	...	...	4,303	548	...	151,234
Bales of 392 lbs.	33,832	4.985	436	2,570	...	...	1,229	157	...	43,209
„ 400 „	33,154	4,886	427	2,519	...	...	1,205	154	...	42,345

No. 45.

Imports of Cotton by Sea into Calcutta.

During 1887.

1887.	FROM									Total cwts.
	Bombay.	Madras.	Carwar.	Rangoon.	Marmagoa.	Akyab.	Chittagong.	Ceylon.	Other Ports.	
January	5,277	265	803	282	...	...	...	...	...	6,627
February ...	7,340	175	815	...	...	...	138	...	...	8,468
March	12,320	184	...	1	...	...	622	...	...	13,127
April	8,518	...	...	...	...	...	466	...	22	9,006
May	9,604	1,605	...	...	...	...	508	...	...	11,717
June	14,235	1,557	...	30	...	...	96	...	...	15,918
July	8,778	2,280	...	...	...	...	435	...	...	11,493
August	6,984	2,460	...	106	...	...	34	...	30	9,614
September ...	8,090	888	...	...	...	...	...	...	...	8,978
October	8,709	725	...	76	...	...	...	...	...	9,510
November ...	5,577	4	...	390	...	...	557	...	...	6,528
December ...	9,852	622	...	420	...	...	500	...	...	11,394
Total cwts. ...	105,284	10,765	1,618	1,305	...	...	3,356	...	52	122,380
Bales of 392 lbs.	30,081	3,076	462	373	...	...	959	...	15	34,966
„ 400 „	29,479	3,014	453	365	...	...	940	...	14	34,265

No. 46.

Imports of Cotton by Sea into Calcutta.

During 1888.

1888.	FROM									Total cwts.
	Bombay.	Madras.	Carwar.	Rangoon.	Marmagoa.	Akyab.	Chittagong.	Ceylon.	Other Ports.	
January	11,754	848	...	520	...	...	1,156	...	...	14,278
February ...	12,172	1,740	...	3,715	550	...	3,743	...	...	21,920
March	5,406	640	...	998	...	...	5,580	...	...	12,624
April	3,713	...	...	...	782	...	2,826	...	...	7,321
May	6,905	405	...	1,526	683	...	2,472	...	...	11,991
June	14,151	294	...	686	1,445	...	1,638	...	...	18,214
July	10,279	703	...	443	940	...	1,444	...	...	13,809
August	13,746	2,132	...	368	26	...	826	...	...	17,098
September ...	11,511	1,069	...	...	...	...	1,349	...	...	13,929
October	13,796	...	...	...	...	...	1,046	...	..	14,842
November ...	8,919	2,311	...	1,316	...	...	670	...	...	13,216
December ...	9,170	873	...	2,150	2,351	816	532	...	...	15,892
Total cwts. ...	121,522	10,515	...	11,722	6,777	816	23,282	...	...	174,634
Bales of 392 lbs.	34,721	3,004	...	3,349	1,936	233	6,652	...	...	49,895
„ 400 „	34,026	2,944	...	3,282	1,897	228	6,520	...	...	48,897

No. 47.

Principal Stations on the Railways from whence Calcutta receives Cotton.

In Bales.

Despatched from	Distance from, in Miles. Calcutta.	Distance from, in Miles. Bombay.	Provinces.	1887. Nov. 1 and Dec. 31.	1888. Jan. 1 to June 30.	1888. July 1 to Oct. 31.	Total Season, Nov. 1 to Oct. 31, 1887-88.	1888. Nov. 1 and Dec. 31.	Total year, Jan. 1 to Dec. 31, 1888.	1889. Jan. 1 to June 30.	1889. July to Oct. 31.	Total Season Nov. 1 to Oct. 31 1888-89.	1889. Nov. 1 to Dec. 31.	Total year. Jan. 1 to Dec. 31, 1889.
Delhi	954	890	Punjab	1,775	3,820	1,192	6,787	2,571	7,583	5,348	433	8,352		
Rewar	1,006	838	Do.	4	150	9	163	145	304	515	593	1,253		
Umballa City	1,120	1,056	Do.	61	4,983	247	5,291	50	5,280	2,001	..	2,051		
Agra	842	*†837	N.-W. Provinces	9,283	20,258	2,715	32,256	6,097	29,070	21,212	678	27,987		
Aligarh	876	*903	Do.	1,766	3,810	79	5,655	3,396	7,285	4,690	211	8,297		
Cawnpore	6°4	*838	Do.	10,773	16,982	220	27,975	1,190	18,392	11,115	2,733	15,038		
Chundowsie	868	*963	Do.	1,568	1,532	..	3,100	521	2,053	514	11	1,046		
Etawah	770	‡909	Do.	3,825	5,863	..	9,688	1,476	7,339	8,533	226	10,235		
Ferozabad	817	*862	Do.	1,980	2,013	58	4,051	4,147	6,218	2,902	165	7,214		
Hattrass	857	880	Do.	3,934	8,153	445	12,532	8,089	16,687	11,334	547	19,970		
Khurja	903	*930	Do.	4,104	5,080	275	9,459	5,235	10,590	7,356	401	12,992		
Shahrunpore	1,065	1,001	Do.	449	1,192	276	1,917	316	1,784	1,254	..	1,570		
Chupra	362	..	Do.	51	153	..	204	..	153	..	..	..		
Kasgaunj	838	918	Do.	..	..	..	..	1,472	1,472	1,282	..	2,754		
Jeypore	992	699	Rajputana	212	1,960	436	2,608	40	2,436	972	81	1,093		
Ulwar	1,052	792	Do.	336	810	41	1,186	402	1,252	2,126	270	2,798		
Sundry Stations	..	..		..	..	..	..	665	665	2,706	..	3,371		
	..	..		40,121	76,759	5,992	122,872	35,812	118,563	83,860	6,349	126,021		

* *Via* Indian Midland Railway. † *Via* Rajputana line, 848 miles. ‡ *Via* I. M. and Agra (*via* Cawnpore, 925 miles).

No. 48.

Imports into and Exports from, Calcutta of Cotton.

In cwts.

[Years ending 31st March.

	1877-78.	1878-79.	1879-80.	1880-81.	1881-82.	1882-83.	1883-84.
Imports	263,600	607,800	1,082,800	957,800	852,000	712,800	903,600
Exports	128,600	374,300	810,000	886,400	704,300	520,000	664,300

	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.
Imports	574,600	700,000	1,141,345	864,118	.....	.....	.....
Exports	318,800	436,700	805,599	639,690	.....	.....	.....

No. 49.

Routes by which Cotton was Received at Calcutta.

In cwts.

Routes.	Imports.				
	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.
By Boat	34,120	24,040	28,620	.....	.....
„ Inland Steamer	8,930	22,990	13,470	.....	.....
„ East Indian Railway .	351,480	469,030	904,500	.....	.....
„ Eastern Bengal State Railway	17,330	33,070	20,200	.....	.....
„ Road	6,210	4,470	4,170	.....	.....
„ Sea	156,580	146,470	138,730	.....	.....
Total.....	574,660	700,090	1,109,720	.....	.....

No. 50.

Routes by which Cotton was Exported from Calcutta.

Routes.	Exports.				
	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.
By Boat	6,620	20,560	25,090	.....	.....
„ Inland Steamer	30	.....	280	.....	.....
„ East Indian Railway .	1,540	1,200	2,200	.....	.....
„ Eastern Bengal State Railway	26,950	7,960	2,160	.....	.....
Road.....	2,550	1,640	2,490	.....	.....
„ Sea	281,180	405,360	751,040	.....	.....
Total.....	318,880	436,730	783,270	.....	.....

No. 51.

Provinces from whence Cotton was Received at Calcutta.

In cwts.

Whence Imported. By all routes.	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.
North-West Provinces and Oudh ...	293,184	404,699	799,931		
Bombay	125,400	131,021	109,720		
Punjab	49,089	57,927	76,844		
Bengal	68,163	82,975	64,126		
Rajputana and Central India ...	5,461	4,503	21,919		
Madras	3,082	6,661	15,923		
Lower Burma	23,431	2,899	8,559		
Other places	6,854	9,405	12,699		
Total...	574,660	700,090	1,109,720		

No. 52.

Imports into Calcutta from Bengal (excluding Behar) since 1877-78.

In cwts.

Years.	Cwts.	Years.	Cwts.	Years.	Cwt.	Average.	Cwts.
1877-78	18,890	1881-82	54,120	1885-86	82,970	1877-78 to 1881-82	33,030
1878-79	29,450	1882-83	68,090	1886-87	64,120	1882-83 to 1886-87	68,010
1879-80	21,360	1883-84	56,720	1887-88	.....	.....	.....
1880-81	41,320	1884-85	68,160	1888-89	.....	.....	.....

No. 53.

Districts in Bengal from which Calcutta Imported Cotton.

In cwts.

Districts.	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.
Dacca	12,230	30,800	27,580		
24-Pergunnahs	22,790	13,030	13,720		
Chittagong	6,600	7,070	6,660		
Furreedpoor	9,390	11,840	5,970		
Noakholly	4,380	1,940	4,560		
Hooghly	7,270	5,570	4,300		
Rungpoor	1,620	7,620	2,880		
Nuddea	1,950	1,720	1,950		
Other Districts	1,910	3,350	2,420		
Behar*	1,230	3,040	4,110		
Total...	69,390	86,010	68,230		

* The figures for Behar are not included in the preceding table.

COCONADA.

In former years Cotton was always shipped in bales of 300 lbs. net from this port, but of late it has become the custom to ship in bales of both 300 and 400 lbs. net. In table No. 54 the actual number of bales despatched to each port in Europe since 1883 is given. Havre and London take virtually all this red Cotton, and we believe, of the shipments to the latter port the bulk is re-shipped to France.

Table No. 55 shows the quantity shipped to Europe since 1868 and the route by which it was despatched. Up to even 1886 virtually the whole of this Cotton went home *viâ* the Cape. In the following year just a moiety was exported by each route, while in 1888 all but 450 bales were despatched *via* Canal.

Table No. 58 gives a better idea of the actual size of each crop, as it shows the despatches from Guntoor in each *season* (April 1 to March 31) since 1876–77, *reduced to bales of* 300 *lbs. net.* Table No. 56 is compiled from this one and merely summarises the monthly despatches in each *calendar year* since 1877. In the first six the average despatches were 23,765 bales, in the last six 28,513 bales, an annual increase of 4,748 bales.

Table No. 57 shows the Coast ports to which Cotton was despatched from Guntoor. The bulk naturally goes to Coconada, but. when the canals to that port were closed in the dry weather, Masulipatam used to be the most convenient port. In the ten years since the opening of the Buckingham Canal, in 1879, the quantity of "Coconadas" sent to Madras by this route has averaged annually 5,277 bales.

For table No. 58 we are indebted to Messrs. R. P. Gill & Co., of Guntoor.

No. 54.

Exports of Cotton from Coconada and Masulipatam to Europe.

Compiled from Vessels' Manifests.] In Bales. [Years ending 31st December.

Destination.	1889.			1888.			1887.			1886.			1885.			1884.			1883.		
	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.
London	..	..	..	450	11,944	12,394	345	8,670	9,015	2,882	..	2,882	1,365	1,416	2,781	2,055	665	2,720	1,612	604	2,216
Marseilles	..	..	..	..	..	..	..	..	..	..	26	26	..	..	..	..	..	..	..	..	..
Havre	..	..	..	..	6,044	6,044	10,239	2,245	12,484	6,427	..	6,427	21,473	..	21,473	24,112	..	24,112	11,399	..	11,399
Antwerp	..	..	..	..	457	457	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Venice	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Genoa	..	..	..	..	200	200	..	..	..	..	..	..	..	79	79	..	..	..	..	..	..
Total U.K.	..	..	..	450	11,944	12,394	345	8,670	9,015	2,882	..	2,882	1,365	1,416	2,781	2,055	665	2,720	1,612	604	2,216
Total Continent	..	..	..	..	6,701	6,701	10,239	2,245	12,484	6,427	26	6,453	21,473	79	21,552	24,112	..	24,112	11,399	..	11,399
Total Europe	..	..	..	450	18,645	19,095	10,584	10,915	21,499	9,309	26	9,335	22,838	1,495	24,333	26,167	665	26,832	13,011	604	13,615
To Indian Ports	..	..	..	..	..	..	..	..	310	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	19,095	..	..	21,809	..	..	9,335	..	..	24,333	..	..	26,832	..	..	13,615

No. 55.

Exports of Cotton from Coconada and Masulipatam to Europe.

Years January 1 to December 31.	United Kingdom.			Continent.			Total.		
	Via Cape.	Via Canal.	Total.	Via Cape	Via Canal.	Total.	Via Cape.	Via Canal.	Total.
1868	43.512	...	43,512	2,564	...	2,564	46,076	...	46,076
1869	33,275	...	33,275	1,862	...	1,862	35,137	...	35,137
1870	17,023	...	17,023	1,464	...	1,464	18,487	...	18,487
1871	55,047	...	55,047	2,875	...	2,875	57,922	...	57,922
1872	21,390	...	21,390	11,898	4	11,902	33,288	4	33,292
1873	22,488	...	22.488	1,000	..	1,000	23,488	...	23.488
1874	26,526	700	27,226	7,414	...	7,414	33,940	700	34,640
1875	15,273	900	16,173	20,425	...	20,425	35,698	900	36,598
1876	5.370	...	5,370	23,354	...	23,354	28,724	...	28,724
1877	14,780	...	14,780	500	...	500	15.280	...	15,280
1878	9,927	...	9,927	6,850	...	6,850	16,777	...	16,777
1879	13,833	...	13,833	4,830	...	4,830	18,663	...	18,663
1880	8.249	...	8,249	6,504	...	6,504	14,753	...	14,753
1881	6,238	403	6,641	11,029	600	11,629	17,267	1,003	18,270
1882	10,556	...	10,556	26,283	...	26,283	36,839	...	36,839
1883	1,612	604	2,216	11,399	...	11,399	13,011	604	13,615
1884	2,055	665	2,720	24,112	...	24,112	26,167	665	26,832
1885	1,365	1,416	2,781	21,473	79	21,552	22.838	1,495	24,333
1886	2,882	...	2,882	6,427	26	6,453	9,309	26	9,335
1887	345	8,670	9,015	10,239	2,245	12,484	10,584	10,915	21,499
1888	450	11,944	12,394	...	6,701	6,701	450	18,645	19,095
1889	...	...	...	...	...	...	...	...	...

No. 56.

Cotton despatched from Guntoor to Coconada, Masulipatam and Madras since 1877.

Quantity reduced to bales of 300 lbs. each.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total Bales.
1877	130	520	860	2,312	890	2,000	4,268	2,010	957	1,030	1,584	3,051	19,612
1878	1,310	1,414	787	306	974	3,985	2,466	1,892	364	1,641	1,390	102	16,631
1879	907	1,564	2,046	2,090	2,539	3,127	4,160	2,246	1,043	1,044	763	3,199	24,728
1880	1,707	806	1,657	429	1,588	890	3,279	1,103	1,036	1,042	2,404	2,910	18,851
1881	2,105	1,163	460	696	816	1,400	1,604	856	745	1,646	1,944	4,117	17.552
1882	2,377	2,049	1,008	1,139	3,519	9,859	7,542	6,967	3,109	3,843	2,727	1,076	45,215
1883	145	576	492	870	924	1,779	2,224	2,760	3,625	4,053	3,258	4,673	25,379
1884	3,589	1,817	84	1,509	2,581	6,839	6,347	1,620	1,036	1,780	3,702	5,585	36,489
1885	3,061	1,762	313	1,449	3,891	3,891	4,107	3,135	2,016	1,596	656	1,056	26,933
1886	544	990	389	309	70	3,542	2,902	2,062	3,609	1,965	2,108	1,557	20,047
1887	2,568	1,641	878	1,881	1,053	6,099	4,062	3,029	4,052	3,375	3,552	3,729	35,919
1888	1,618	574	373	641	2,250	4,616	4,365	6,438	1,555	2,081	566	1,222	26,299
1889	1,433	565	822	...	...	...	...	...	...	...	...	...	...

No. 57.

Year.	To			Total in Bales of 300 lbs.	Year.	To			Total in Bales of 300 lbs.
	Coconada.	Masulipatam.	Madras.			Coconada.	Masulipatam.	Madras.	
1877	16,520	3,092	...	19,612	1884	30,812	...	5,677	36,489
1878	10,910	5,721	...	16,631	1885	17,885	...	9,048	26,933
1879	17,925	1,233	5,570	24,728	1886	11,882	...	8,165	20,047
1880	16,384	1,372	795	18,851	1887	27,448	...	8,471	35,919
1881	16,114	...	1,438	17,552	1888	19,765	2,661	3,873	26,299
1882	38,454	...	6,761	45,215	1889	...	...	...	...
1883	22,400	...	2,979	25,379					

N.B.—Cotton is shipped in both 300 and 400 lbs. bales, but the above figures show the quantity reduced to 300 lbs. bales, The despatches to Madras from Guntoor go by the Buckingham Canal along the Coast.

No. 58.

Particulars of Cotton despatched from Guntoor, 1876 *to* 1889.

Bales of or equal to 300 lbs. despatched.	1876-77. To Coconada.	Masulipatam.	Nellore.	Highest local rate per nugger (250 lbs.) Rs. a.	Lowest do. Rs. a.	Total Bales.	1877-78. To Coconada.	Masulipatam.	Madras.	Highest local rate per nugger (250 lbs.) Rs. a.	Lowest do. Rs. a.	Total Bales.
April	952	...	...	43 0	40 0	952	...	2312	...	48 10	46 12	2312
May	3667	...	...	41 0	40 0	3667	110	780	...	46 12	43 12	890
June	4364	...	...	43 8	39 0	4364	2000	...	...	51 0	44 12	2000
July	5067	...	...	45 4	42 6	5067	4268	...	...	50 4	49 0	4268
August	4467	...	...	47 12	44 12	4467	2010	...	...	49 8	48 12	2010
September	2607	...	...	44 4	42 8	2607	957	...	...	50 8	48 12	957
October	1631	...	...	44 4	43 2	1631	1030	...	...	51 12	50 0	1030
November ...	799	...	60	69 4	44 0	859	1584	...	...	51 4	50 6	1584
December ...	188	...	...	62 0	51 0	188	3051	...	...	53 7	48 4	3051
January	130	...	...	52 0	48 8	130	1190	120	...	53 0	48 0	1310
February ...	520	...	...	49 0	48 0	520	103	1311	...	51 4	50 8	1414
March	860	...	...	49 8	47 12	860	...	787	...	51 0	50 12	787
	25252	...	60			**25312**	16303	5310	...			**21613**

Bales of or equal to 300 lbs. despatched.	1878-79. To Coconada.	Masulipatam.	Madras.	Highest local rate per nugger (250 lbs.) Rs. a.	Lowest do. Rs. a.	Total Bales.	1879-80. To Coconada.	Masulipatam.	Madras.	Highest local rate per nugger (250 lbs.) Rs. a.	Lowest do. Rs. a.	Total Bales.
April	153	153	...	51 0	50 8	306	1589	...	501	50 8	45 6	2090
May	754	220	...	53 4	50 0	974	1958	1097	384	57 8	50 8	2539
June	2500	1485	...	55 0	50 8	3985	2863	...	264	56 8	51 0	3127
July	2373	93	...	53 6	50 4	2466	2317	...	1843	53 0	50 0	4160
August	1892	...	...	55 4	53 4	1892	1920	136	190	51 8	48 0	2246
September	214	150	...	55 4	53 4	364	347	...	606	51 8	50 0	1043
October	506	1135	...	54 0	53 0	1641	170	...	874	49 8	48 0	1044
November ...	1123	267	...	53 0	47 0	1390	187	...	576	51 8	48 8	763
December ...	102	...	...	48 0	44 8	102	3199	...	...	53 12	51 8	3199
January	907	...	...	48 0	45 4	907	1707	...	...	54 3	51 14	1707
February ...	1564	...	...	45 10	44 8	1564	768	...	38	62 0	54 4	806
March	1804	...	242	45 12	43 6	2046	1559	...	98	63 0	53 0	1657
	13892	3503	242			**17637**	17684	1233	5464			**24381**

Bales of or equal to 300 lbs. despatched.	1880-81. To Coconada	Masulipatam.	Madras.	Highest local rate per nugger (250 lbs.) Rs. a.	Lowest do. Rs. a.	Total Bales.	1881-82. To Coconada.	Masulipatam.	Madras.	Highest local rate per nugger (250 lbs.) Rs. a.	Lowest do. Rs. a.	Total Bales.
April	25	404	...	54 8	45 5	429	...	...	696	48 4	45 8	696
May	632	956	...	53 12	48 0	1588	651	...	165	47 0	44 8	816
June	619	12	259	51 8	48 10	890	1300	...	100	49 0	45 0	1400
July	3279	...	...	50 0	48 8	3279	1604	...	...	47 10	46 0	1604
August	1103	...	...	51 0	48 14	1103	856	...	...	47 8	45 8	856
September ...	1036	...	...	51 4	50 0	1036	578	...	167	47 2	45 8	745
October	1042	...	...	52 0	50 4	1042	1646	...	...	47 6	46 0	1646
November ...	2404	...	...	51 0	50 4	2404	1944	...	...	49 2	47 4	1944
December ...	2510	...	400	53 0	51 0	2910	4117	...	...	49 14	48 0	4117
January... ...	2105	...	...	55 6	52 12	2105	2057	...	320	50 0	48 4	2377
February ...	963	...	200	56 4	52 0	1163	596	...	1453	48 8	46 12	2049
March	350	.	110			460	484	...	524	47 0	46 2	1008
	16068	1872	969			**18409**	15833	...	3425			**19258**

Bales of or equal to 300 lbs. despatched.	1882-83. To Coconada.	Masulipatam.	Madras.	Highest local rate per nugger (250 lbs.) Rs. a.	Lowest do. Rs. a.	Total Bales.	1883-84. To Coconada.	Masulipatam.	Madras.	Highest local rate per nugger (250 lbs.) Rs. a.	Lowest do. Rs. a.	Total Bales.
April	...	...	1139	47 2	46 8	1139	870	...	...	44 8	42 8	870
May	3519	...	...	46 14	46 0	3519	924	...	...	45 2	44 0	924
June	9859	...	...	47 4	45 8	9859	1408	...	371	45 0	44 4	1779
July	7542	...	...	48 8	46 12	7542	1896	...	328	44 4	42 4	2224
August	5846	...	1121	49 0	48 0	6967	1895	...	865	44 4	42 6	2760
September ...	2793	...	316	49 4	48 0	3109	3567	...	58	45 10	43 4	3625
October	2836	...	1007	49 0	48 0	3843	3911	...	142	45 14	44 0	4053
November ...	2090	...	637	50 0	48 4	2727	3258	...	...	45 5	43 8	3258
December ...	832	..	244	48 8	46 0	1076	4251	...	422	47 0	43 12	4673
January... ...	50	...	95	46 14	44 0	145	3216	...	373	45 14	44 8	3589
February ...	210	...	366	43 8	41 0	576	1321	...	496	45 8	43 12	1817
March	160	...	332	43 12	41 0	492	...	...	84	46 12	43 0	84
	35737	...	5257			**40994**	26517	...	3139			**29656**

Bales of or equal to 300 lbs. despatched.	1884-85.						1885-86.						1886-87.					
	To Coconada.	Masulipatam.	Madras.	Highest local rate per nugger (250 lbs.)	Lowest do.	Total Bales.	To Coconada.	Masulipatam.	Madras.	Highest local rate per nugger (250 lbs.)	Lowest do.	Total Bales.	To Coconada.	Masulipatam.	Madras.	Highest local rate per nugger (250 lbs.)	Lowest do.	Total Bales.
				Rs. a.	Rs. a.					Rs. a.	Rs. a.					Rs. a.	Rs. a.	
April	1001	...	508	47 9	45 0	1509	...	...	1449	47 0	45 8	1449	...	...	309	46 8	45 0	309
May	2279	...	302	46 9	45 4	2581	...	...	...	47 12	46 8	...	70	...	...	46 8	46 0	70
June	6749	...	90	46 10	44 8	6839	5798	...	1984	49 10	46 0	7782	2510	...	1032	46 14	46 0	3542
July	4859	...	1488	46 8	44 0	6347	2532	...	1575	51 0	46 4	4107	1491	...	1411	48 0	46 8	2902
August ...	1164	...	456	47 0	43 0	1620	2475	...	660	50 4	46 8	3135	862	...	1200	49 0	48 0	2062
September ...	1036	...	...	45 0	43 4	1036	1948	...	68	53 8	48 0	2016	1912	...	1697	48 6	47 8	3609
October	1449	...	331	44 10	43 4	1780	1052	...	544	53 8	47 0	1596	1619	...	346	47 8	47 8	1965
November ...	3702	...	...	45 8	43 4	3702	392	...	264	50 10	48 0	656	1260	...	848	48 4	44 8	2108
December ...	4036	...	1549	47 8	44 8	5585	...	...	1056	49 0	47 0	1056	1359	...	198	46 2	44 8	1557
January	2911	...	150	50 8	46 4	3061	...	...	544	48 0	47 8	544	1786	...	782	45 14	45 0	2568
February ...	777	...	985	54 4	46 0	1762	609	...	381	49 8	46 4	990	1060	...	581	44 12	44 0	1641
March	...	...	313	47 4	45 0	313	190	...	199	47 0	45 8	389	289	...	589	46 12	44 0	878
	29963	...	6172			**36135**	14996	...	8724			**23720**	14218	...	8993			**23211**

Bales of or equal to 300 lbs. despatched.	1887-88.						1888-89.						1889-90.					
	To Coconada.	Masulipatam.	Madras.	Highest local rate per nugger (250 lbs.)	Lowest do.	Total Bales.	To Coconada.	Masulipatam.	Madras.	Highest local rate per nugger (250 lbs.)	Lowest do.	Total Bales.	To Coconada.	Masulipatam.	Madras.	Highest local rate per nugger (250 lbs.)	Lowest do.	Total Bales.
				Rs. a.	Rs. a.					Rs. a.	Rs. a.					Rs. a.	Rs. a.	
April	406	...	1475	49 8	46 0	1881	...	411	230	45 8	42 8	641	...	...	...	...	...	...
May	635	...	418	48 8	46 8	1053	...	2250	...	46 4	44 4	2250	...	...	...	...	...	...
June	5266	...	833	49 4	47 12	6099	4168	...	448	46 0	44 14	4616	...	...	...	...	...	...
July	3685	...	377	49 4	47 4	4062	4125	...	240	47 0	45 8	4365	...	...	...	...	...	...
August	2896	...	133	47 12	46 0	3029	4641	...	1797	48 10	46 4	6438	...	...	...	...	...	...
September ...	2997	...	1055	47 8	46 4	4052	1242	...	313	51 12	47 4	1555	...	...	...	...	...	...
October	2320	...	1055	47 8	46 10	3375	1996	...	85	51 4	49 4	2081	...	...	...	...	...	...
November ...	2579	...	973	48 8	45 12	3552	566	...	...	53 0	50 0	566	...	...	...	...	...	...
December ...	3529	...	200	46 8	45 12	3729	1134	...	88	51 8	50 8	1222	...	...	...	...	...	...
January	1369	...	250	46 14	46 0	1618	1321	...	112	52 11	51 0	1433	...	...	...	...	...	...
February ...	524	...	50	46 4	44 4	574	565	...	...	53 8	51 8	565	...	...	...	...	...	...
March	...	...	373	46 12	44 0	373	697	...	148	52 8	50 0	822	...	...	...	...	...	...
	26206	...	7192			**33397**	20437	2661	3456			**26554**	...	...	...			...

MADRAS.

THE export trade of this port has fallen off considerably, principally due to the increased requirements of the local mills. In table No. 59 we give the annual exports since 1883 to each port in Europe, distinguishing the routes by which the shipments were made. London used to take nearly the whole, and still secures about four-fifths, but the trade with Italy and Austria is steadily growing. Table No. 60 gives the total exports to all ports from Madras (port) since 1865. Owing to the increased weight of the bales shipped from 300 to 400 lbs., we have compiled a third table, No. 61, showing the actual weight exported, reduced to bales of 300 lbs. to the Bombay bale of 3½ cwts. and to bales of 400 lbs. It took over ten years to effect the change in the entire trade, between 1874 and 1884, but comparing the shipments on the old basis of 300 lbs., it will be noticed that previous to the famine year of 1877, which we have excluded in our calculations, the average annual shipments between 1867 and 1876 were 118,741 bales, whereas in the ten years following the famine, *viz.*, 1878 to 1887, the average fall to 62,716 bales of 300 lbs. each, a decrease of 56,025 bales, equal to over 47 per cent.

No. 59.

Exports of Cotton from Madras.

Compiled from Vessels' Manifests.] In bales. [Years ending 31st December.

DESTINATION.	1889.			1888.			1887.			1886.			1885.			1884.			1883.		
	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.
Liverpool	..	..	..	..	469	469	..	2,997	2,997	..	742	742	..	..	..	..	200	200	..	755	755
London	..	..	..	..	45,149	45,149	250	61,514	61,764	..	43,237	43,237	..	13,552	13,552	782	59,081	59,863	2,797	47,670	50,467
Hull	..	..	..	..	..	..	..	..	..	..	200	200	..	..	..	..	..	..	..	..	..
Marseilles	..	..	..	..	906	906	..	1,536	1,536	..	..	..	..	125	125	..	..	..	..	126	126
Havre	..	..	..	..	860	860	2,416	1,454	3,870	915	2,353	3,268	..	..	..	..	..	..	..	..	..
Antwerp	..	..	..	..	451	451	..	..	..	..	..	..	..	200	200	..	..	..	..	..	..
Barcelona	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Genoa	..	..	..	..	2,372	2,372	..	500	500	..	..	..	..	35	35	..	..	..	..	25	25
Venice	..	..	..	..	1,575	1,575	..	1,710	1,710	..	880	880	..	200	200	..	..	..	..	..	..
Trieste	..	..	..	..	4,566	4,566	..	3,795	3,795	..	2,079	2,079	..	110	110	..	640	640	..	100	100
Odessa	..	..	..	..	..	..	..	..	..	..	100	100	..	..	..	..	..	..	..	..	..
Total U. K...	..	..	..	..	45,618	45,618	250	64,511	64,761	..	44,179	44,179	..	13,552	13,552	782	59,281	60,063	2,797	48,425	51,222
Total Continent..	..	..	..	..	10,730	10,730	2,416	8,995	11,411	915	5,412	6,327	..	670	670	..	640	640	..	251	251
Total Europe..	..	..	..	..	56,348	56,348	2,666	73,506	76,172	915	49,591	50,506	..	14,222	14,222	782	59,921	60,703	2,797	48,676	51,473
China, &c.	..	..	..	..	..	..	..	..	..	..	..	361	..	..	936	..	..	831	..	..	1,841
Total Foreign Ports	..	..	..	..	..	56,348	..	..	76,172	..	..	50,867	..	..	15,158	..	..	61,534	..	..	53,314
Bombay	..	..	..	..	..	10	..	..	..	..	..	..	..	..	..	..	..	327	..	..	..
Other India Ports..	..	..	..	..	..	496	..	..	..	..	..	321	..	..	84	..	..	1,541	..	..	..
Total....	..	..	..	..	..	56,854	..	..	76,172	..	..	51,188	..	..	15,242	..	..	63,402	..	..	53,314

No. 60.

Exports of Cotton from Madras.

In Bales. [Years ending 31st December.

Years.	Great Britain.			Continent.			Total Europe. Bales.	China.	Other Foreign Ports.	Indian Ports.	Total Bales.
	Cape.	Canal.	Total.	Cape.	Canal.	Total.					
1865 ...	145,433	*1,865	147,298	3,215	...	3,215	150,513	...	25	1,024	151,562
1866 ...	94,830	* 732	95,562	1,913	...	1,913	97,475	...	...	1,336	98,811
1867 ...	95,978	...	95,978	5,761	...	5,761	101,739	...	...	1,950	103,689
1868 ...	139,467	...	139,467	1,477	...	1,477	140,944	2,057	364	3,285	146,650
1869 ...	122,511	3	122,514	3,986	...	3,986	126,500	1,861	129	430	128,920
1870 ...	40,855	2	40,857	1,541	315	1,856	42,713	2,364	412	2,316	47,805
1871 ...	105,231	1,860	107,091	4,309	90	4,399	111,490	1,146	4,193	5,362	122,191
1872 ...	92,580	6,929	99,509	6,208	...	6,208	105,717	...	796	1,864	108,377
1873 ...	86,074	27,235	113,309	396	382	778	114,087	412	620	6,020	121,139
1874 ...	79,389	16,724	96,113	1,996	1,500	3,496	99,609	266	...	5,923	105,798
1875 ...	90,135	31,977	122,112	12,702	8,400	21,102	101,010	4,914	...	9,432	157,560
1876 ...	68,689	22,350	91,039	4,978	2,212	7,190	98,229	8,310	292	9,714	116,545
1877 ...	2,179	252	2,431	...	...	..	2,431	1,537	...	719	4,687
1878 ...	7,386	23,729	31,115	1,000	1,246	2,246	33,361	3,890	...	2,886	40,137
1879 ...	4,022	42,177	46,199	1,850	2,792	4,642	50,841	200	...	6,491	57,532
1880 ...	2,589	31,891	34,480	...	2,651	2,651	37,131	300	435	10,112	47,978
1881 ...	2,016	23,116	25,132	...	2,535	2,535	27,667	1,029	...	7,158	35,854
1882 ...	6,237	67,170	73,407	3,423	3,258	6,681	80,088	1,932	...	2,551	84,571
1883 ...	2,797	48,425	51,222	...	251	251	51,473	1,841	...	...	53,314
1884 ...	782	59,281	60,063	...	640	640	60,703	831	...	1,863	63,402
1885 ...	.....	13,552	13,552	...	670	670	14,222	936	...	84	15,242
1886 ...	.....	44,179	44,179	915	5,412	6,327	50,506	361	...	321	51,188
1887 ...	250	64,511	64,761	2,416	8,995	11,411	76,172	...	...	...	76,172
1888 ..	.....	45,618	46,618	...	10,730	10,730	56,348	...	...	506	56,854

* By steamer *via* Cape.

No. 61.

Exports of Cotton from Madras Port.

Years ending 31st December.	Cwts.	Actual No. of Bales shipped.	Weights exported reduced to			
			Bales of 300 lbs.	Bales of 392 lbs.	Bales of 400 lbs.	
1867 ...	277,614	103,689	103,642	79,318	77,732	
1868 ...	444,817	146,650	166,065	127,090	124,548	
1869 ...	344,600	128,920	128,651	98,457	96,498	
1870 ...	123,099	47,805	45,957	35,171	34,468	
1871 ...	318,977	122,191	119,084	91,136	89,313	
1872 ...	288,384	108,377	107,682	82,395	80,747	
1873 ...	327,216	121,139	122,160	93,490	91,620	
1874 ...	322,672	105,798	120,465	92,192	90,348	
1875 ...	415,512	**157,560**	**155,125**	118,718	116,344	
1876 ...	317,624	116,545	118,579	90,749	88,934	
1877 ...	10,796	4,687	4,031	3,085	3,023	
1878 ...	108,870	40,137	40,645	31,106	30,484	
1879 ...	158,962	57,532	59,346	45,418	44,510	Years of transition, from 300 to 400 lbs. bales.
1880 ...	134,600	47,978	52,117	39,886	39,088	
1881 ...	114,815	35,854	42,864	32,804	32,148	
1882 ...	252,709	84,571	94,344	72,202	70,758	
1883 ...	170,506	53,314	63,688	48,716	47,742	
1884 ...	218,017	**63,402**	81,394	62,291	**61,405**	
1885 ...	58,603	15,242	21,878	16,744	16,409	
1886 ...	188,670	51,188	70,437	53,906	52,828	
1887 ...	269,030	76,172	100,438	76,866	75,329	
1888 ...	203,931	56,854	76,134	58,266	57,101	
1889 ...	.....	.....	.....	.....	.....	

TUTICORIN.

Table No. 62 gives the exports from this port to each European port *viâ* Cape and *viâ* Canal in each year since 1883, while

Table No. 63 gives a summary of the shipments to United Kingdom and Continent by each route since 1878.

It will be noticed, as with other Indian ports, that very little Cotton is now sent homewards *viâ* Cape. Hardly any Tinnevelly Cotton reaches its destination in Europe, direct, nearly the whole coming to Bombay, in the coasting steamers, for transhipment.

Liverpool of late has taken annually about five-eighths of the entire shipments and more than double the total exports to the Continent. London and Venice are the next two largest importing ports, followed by Barcelona and Antwerp. Genoa used to be a leading port, but for the last two years has been a small importer. With China the trade has quite died out.

No. 62.

Exports of Cotton from Tuticorin, since 1883.

Compiled from Manifests of Vessels.] In Bales. [Years ending 31st December.

Destination.	1889.			1888.			1887.			1886.			1885.			1884.			1883.		
	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.
Liverpool	..	..	..	..	54,485	54,485	2,200	56,284	58,484	..	36,420	36,420	..	14,282	14,282	..	18,028	18,028	..	7,859	7,859
London	..	..	..	..	5,537	5,537	..	10,953	10,953	100	20,814	20,914	..	25,590	25,590	12,758	36,393	49,151	14,852	41,888	56,740
Hull	..	..	..	..	100	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Queenstown (f. o.)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2,100	..	2,100	..	..	..
Falmouth (f. o.)	..	..	..	..	..	..	..	..	..	..	..	..	3,625	..	3,625	..	..	..	..	..	..
Marseilles	..	..	..	..	1,700	1,700	..	50	50	..	..	..	..	399	399	..	..	..	..	..	..
Havre	..	..	..	..	200	200	..	500	500	3,300	1,030	4,330	..	..	..	..	200	200	..	1,410	1,410
Antwerp	..	..	..	..	4,510	4,510	..	2,898	2,898	..	5,403	5,403	..	5,165	5,165	..	..	..	..	2,000	2,000
Gothenburg	..	..	..	..	100	100	..	..	..	..	..	..	..	..	..	..	995	995	..	200	200
Barcelona	..	..	..	..	5,837	5,837	..	3,338	3,338	..	5,456	5,456	..	3,829	3,829	..	..	..	..	..	..
Genoa	..	..	..	..	2,550	2,550	..	3,001	3,001	..	11,683	11,683	..	16,164	16,164	..	4,758	4,758	..	8,459	8,459
Naples	..	..	..	..	..	..	..	..	..	..	400	400	..	100	100	..	16,957	16,957	..	17,390	17,390
Venice	..	..	..	..	7,893	7,893	..	6,451	6,451	..	8,484	8,484	..	3,243	3,243	..	288	288	..	1,250	1,250
Trieste	..	..	..	..	2,301	2,301	..	1,126	1,126	..	2,496	2,496	..	2,384	2,384	..	3,621	3,621	..	3,902	3,902
Odessa	..	..	..	..	1,071	1,071	..	80	80	..	535	535	..	..	..	..	3,264	3,264	..	8,665	8,665
																	500	500	..	600	600
Total U. K.	..	..	..	..	60,122	60,122	2,200	67,237	69,437	100	57,234	57,334	3,625	39,872	43,497	14,858	54,421	69,279	14,852	49,747	94,599
Total Continent.	..	..	..	..	26,162	26,162	..	17,444	17,444	3,300	35,487	38,787	..	31,284	31,284	..	30,583	30,583	..	43,876	43,876
Total Europe	..	..	..	..	86,284	86,284	2,200	84,681	86,881	3,400	92,721	96,121	3,625	71,156	74,781	14,858	85,004	99,862	14,852	93,623	108,475
China	..	..	..	..	..	..	..	..	..	..	..	175	..	..	100	..	..	..	..	..	..
Total Foreign Ports	..	..	..	..	..	86,284	..	..	86,881	..	..	96,296	..	..	74,881	..	..	99,862	..	..	108,475
Bombay	..	..	..	..	..	329	..	..	1,260	..	..	1,023	..	..	2,671	..	..	4,632	..	..	3,576
Other Indian Ports	..	..	..	..	..	..	..	..	..	..	..	30	..	..	328	..	..	94	..	..	..
Total	..	..	..	..	..	86,613	..	..	88,141	..	..	97,349	..	..	77,880	..	..	104,588	..	..	112,051

No. 63.

Exports of Cotton from Tuticorin to Europe.

In Bales.

[Years ending 31st December.

Years ending 31st December.	United Kingdom.			Continent.			Total.		
	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.	Via Cape.	Via Canal.	Total.
1878...	47,046	8,982	56,028	5,250	12,110	17,360	52,296	21,092	73,388
1879...	32,327	8,331	40,658	7,560	31,591	39,151	39,887	39,922	79,809
1880...	11,236	14,731	25,967	.....	27,422	27,422	11,236	42,153	53,389
1881...	7,444	34,735	42,179	.....	29,847	29,847	7,444	64,582	72,026
1882...	15,327	46,050	61,377	600	43,172	43,772	15,927	89,222	105,149
1883...	14,852	49,747	64,599	.....	43,876	43,876	14,852	93,623	108,475
1884...	14,858	54,421	69,279	.....	30,583	30,583	14,858	83,004	99,862
1885...	3,625	39,872	43,497	.....	31,284	31,284	3,625	71,156	74,781
1886...	100	57,234	57,334	3,300	35,487	38,787	3,400	92,721	96,121
1887...	2,200	67,237	69,437	.....	17,444	17,444	2,200	84,681	86,881
1888...	.....	60,122	60,122	.....	26,162	26,162	.....	86,284	86,284
1889...	.....	.....	.....	.....	.....	.....	.....	.....	.....

INDIA.

Exports from India in Calendar years.

We have already given the exports during the official years ending 31st March, in bales of an uniform weight of 3½ cwts. (392 lbs.) net. In table No. 64, we give a summary of the actual number of bales, of varying weights, exported from each Indian port to Europe, in each calendar year, since 1879. About twenty years ago Carwar, a port on the Malabar Coast, commenced shipping Cotton direct to Europe, but soon ceased, the trade returning to the former and more convenient channel, *viâ* Bombay. The opening of the Southern Mahratta Railway and its junction with the recently opened West of India Portuguese Railway to Goa in connection with the steamers of the British India Company, enables the Cotton of the Southern Mahratta Country to be delivered both expeditiously and with greater certainty throughout the year, and more especially during the South-West Monsoon, whereas previously, after the setting in of the rains, the trade was brought to a standstill, country craft and even steamers not being able, except at rare intervals, to call at many of the Malabar Coast ports.

Of late years the trade in Burmah Cotton with Europe has ceased to exist, the little grown in that country being worth more in China and neighbouring countries. Exports, too, of Cotton, from Pondicherry, are now seldom made, the little French settlement, having a Mill of its own, consumes what she receives from the adjoining Madras districts.

Under the head of "*Exporting Ports*" we gave the share of the shipments from each *Maritime Province* in India to foreign countries during the past thirteen *official* years. We now annex the share of each *port* in the last few *calendar* years, in the trade with foreign countries, measured in bales :—

	1885. Per cent.	1886. Per cent.	1887. Per cent.	1888. Per cent.
Bombay	76·75	77·45	71·41	76·20
Kurrachee	2·70	2·38	2·16	1·86
Calcutta	8·80	8·93	14·47	7·98
Madras	1·49	3·64	4·89	4·83
Coconada	2·52	·67	1·38	1·63
Tuticorin	7·74	6·93	5·58	7·41
Pondicherry	.....	.....	·11	·09
	100·00	100·00	100·00	100·00

No. 64.

Comparative Statement of the Exports of Cotton from India to Europe.

Compiled from Vessels' Manifests.] In Bales. [Years ending 31st December.

From Ports.	1889.			1888.			1887.			1886.			1885.			1884.		
	U. K.	Continent.	Total.	U. K.	Continent.	Total.	U. K.	Continent.	Total.	U. K.	Continent.	Total.	U. K.	Continent.	Total.	U. K.	Continent.	Total.
Bombay	..	..	..	232,276	654,771	887,047	383,624	728,307	1,111,931	345,296	728,120	1,073,416	234,656	507,499	742,155	534,075	696,982	1,231,057
Carwar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kurrachee	..	..	..	10,122	11,599	21,721	20,157	13,583	33,740	14,755	18,180	32,935	10,252	15,804	26,056	2,147	3 750	5,897
Calcutta	..	..	..	29,205	63,718	92,923	97,921	127,479	225,400	82,914	40,864	123,778	64,389	20,814	85,203	82,974	39,314	122,288
Madras	..	..	..	45,618	10,730	56.348	64,761	11,411	76,172	44,179	6,327	50,506	13,552	670	14,222	60,063	640	60,703
Coconada and Masulipatam	..	..	..	12,394	6,701	19,095	9,015	12,484	21,499	2,882	6,453	9,335	2,781	21,552	24,333	2,720	24,112	26.832
Tuticorin	..	..	..	60,122	26,162	86,284	69,437	17,444	86,881	57,334	38,787	96,121	43,497	31,284	74,781	69,279	30,583	99,862
Rangoon	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pondicherry	..	..	..	..	882	882	..	1,730	1,730	..	..	..	..	28	28	..	1,142	1,142
Total Bales	..	..	..	389,737	774,563	1,164,300	644,915	912,438	1,557,353	547,360	838,731	1,386,091	369,127	597,651	966,778	751,258	796,523	1,547,781

From Ports.	1883.			1882.			1881.			1880.			1879.		
	U. K.	Continent.	Total.	U. K.	Continent.	Total.	U. K.	Continent.	Total.	U. K.	Continent.	Total.	U. K.	Continent.	Total.
Bombay	500,108	835,360	1,335,468	807,916	653,591	1,461,507	374,976	627,788	1,002,764	379,932	542,118	922,050	260,745	380,713	641,458
Carwar	..	..	..	122	..	122	..	..	..	266	..	266	..	..	..
Kurrachee	9,244	2,503	11,747	23,495	3,968	27,463	13,269	881	14,150	14,855	4,197	19,052	10,722	2,040	12,762
Calcutta	91,449	9,408	100,857	116,210	37,582	153,792	112,482	36,483	148,965	106,671	24,266	130,937	112,345	28,970	141,315
Madras	51,222	251	51,473	73,407	6,681	80,088	25,132	2,535	27,667	25,132	2,535	27,667	34,480	2,651	37,131
Coconada and Masulipatan	2,216	11,399	13,615	12,708	19,826	32,534	5,836	10.679	16,515	8,879	5,904	14,783	13,633	4,830	18,463
Tuticorin	64,599	43,876	108,475	61,377	43,772	105,149	42,179	29,847	72,026	25,967	27,422	53,389	40,658	39,151	79,809
Rangoon	..	..	..	243	80	323	..	60	60	1,006	4,715	5,721	6,646	4,428	11,074
Pondicherry	..	301	301	..	2,718	2,718	..	1,186	1,186	..	1,024	1,024	..	3,224	3,224
Total	718,838	903,098	1,621,936	1,095,478	768,218	1,863,696	573,874	709,459	1,283,333	562,708	612,181	1,174,889	479,229	466,007	945,236
Deduct approximate quantity of Tuticorin Cotton sent to Bombay for transhipment				43,000	43,772	86,772	35,000	30,000	65,000	15,000	23,000	38,000	8,000	27,000	35,000
Total Net Exports				1,052,478	724,446	1,776,924	538,874	679,459	1,218,333	547,708	589,181	1,136,889	471,229	439,007	910,236
Transhipments according to Bombay Chamber's Returns						56,539			38,521			30,086			26,879

COTTON SPINNING AND WEAVING MILLS IN INDIA.

Indian Spinning and Weaving Mills.

THE first Mill built in India was the Bombay Spinning and Weaving Company's, which was formed about 1851, but does not appear to have been in working order till 1854. The earliest return we have met with of the Indian Mills, is one dated 1875, which gives the later date against the name of this concern, followed by the "Oriental," September 19,1855, and the "Throstle," January 10, 1857. By 1861 the number in the country had increased to a dozen, containing 338,000 spindles, with an estimated annual consumption of 65,000 bales (of 3½ cwts. each) of Cotton. Thirteen years later (in 1874) 27 Mills are given as working, containing nearly 600,000 spindles and consuming about 114,000 bales of Cotton. By 1879, or just five and twenty years after the starting of the first Mill, the number had increased to 56 and the spindles to nearly 1½ millions. The progress in the succeeding eleven years has been very remarkable.

30th June	Mills.	Spindles	Looms.	Hands.	Cotton consumed Bales
1879	56	1,453,000	13,000	43,000	267,600
1889	124	2,763,000	21,600	91,600	888,700
Increase ...	68	1,310,000	8,600	48,600	621,100

In these eleven years the number of Mills increased 121 per cent., the spindles 90, the looms 66, the hands employed 113, and the Cotton consumed 232 per cent. Table No. 65 gives details of each of the 124 Mills working and in course of construction on 30th June 1889.

Bombay Island Mills.

In Table No. 71 will be found particulars of the progress of the industry in Bombay Island only. Since 1865, or just a quarter of a century ago, the number of Mills has risen from 10 to 69, equal to 590 per cent.; the spindles from 250,000 to 1,591,000 or 536½ per cent.; the looms from 3,380 to 13,380 or 298⅓ per cent.; the hands employed from 6,600 to 52,500 or 700½ per cent., and the consumption of Cotton from 42,000 to 564,000 bales, equal to nearly 1,243 per cent. Included with the 69 Mills [on 30th June 1889] are the names of 14 in course of erection, the spindle power of which, when in working order, will add fully 300,000 to the 1,591,000 existing spindles.

Bombay Presidency (up-country) Mills.

In table No. 72 we give details of the progress of the up-country Mills in the Bombay Presidency, and in table No. 65, the names of the existing ones, their contents and consumption. Most of them are situated in Guzerat, eight being at Ahmedabad, three at Broach, one at Baroda, three at Surat, one at Nariad, one at Veeramgaum, and one at Bhownugger. Another exists at Jalgaon in Khandeish, one at Sholapore in the South Deccan, and two in the Southern Mahratta country, one being at Hubli and the other, a water-power concern, at the Gokak Falls, near Belgaum.

Table No. 73 is a combination of Nos. 71 and 72, and is applicable to the whole Bombay Presidency, while tables 74 to 83 give the progress of the industry in each Province or Presidency, excluding that of Bombay.

Central India.

During the past four years no returns have been received, though annually applied for by the Bombay Mill-owners' Association, from the Government of H. H. the Maharajah Holkar, regarding the solitary Mill owned by the State at Indore, which was started in 1872.

Central Provinces.

The three existing Mills are at Jubbulpore, Hinghunghat and Nagpore. In eleven years the spindles have risen from 30,000 to 68,000, the looms from 32 to 600, the hands employed from 1,000 to 3,800, and the Cotton consumed from 5,600 to 26,000 bales.

Berar.

There is one Mill at Budnera and another at Aurungabad, but the latter has only recently commenced work and gives no returns of consumption.

Nizam's Territory (Hyderabad).

One at Hyderabad and one at Kulburga are the two Mills in this Native State. Eleven years ago the former consumed less than 1,500 bales of Cotton annually, last year the two required over 10,700 bales.

North-West Provinces.

Of the five Mills, four are working at Cawnpore and one is being put up at Agra. The first one was erected in 1871. In 1879 over 38,000 spindles in two Mills consumed 4,800 bales of Cotton; last year the four working ones at Cawnpore disposed of nearly 25,700 bales.

Bengal Presidency.

The whole of the seven in this Presidency are situated in Calcutta or its neighbourhood (the oldest dating from 1864, and the second from 1872). Six have been in the list for the past eleven years, but a new one has recently been added. From 164,000 the spindles have risen to nearly 250,000, but there are no looms working. The hands employed have increased from 4,300 to 6,300, and the consumption of raw material from 32,000 to 85,000 bales, of which about one-third is imported from Bombay by sea, the balance being mainly received from the North-West Provinces and the Punjab.

Madras Presidency.

The first two Mills were started in 1874 and 1875, and in the past eleven years the number has been trebled, the total now being nine, of

which four are in Madras City, and one each at Bellary, Calicut, Coimbatore, Tuticorin and at Ambasamudram, near Tinnevelly. Of the nine, seven have been working throughout the year, the one at Tuticorin for 6 months only, while the Mill at Coimbatore is still being erected. In the eleven years the spindles have increased from less than 48,000 to nearly 153,000, the looms from *nil* to 470, the hands employed from 1,000 to 4,700, and the consumption of Cotton from 9,300 to nearly 44,000 bales.

Travancore.

The solitary one in this Native State is at Quilon. Its consumption has risen to 4,700 bales, while the number of spindles has recently been doubled.

Mysore.

The two—one owned at Madras and the other at Bombay—are at Bangalore, and between them consume nearly 5,800 bales of Cotton, the spindle power being over 23,000.

Pondicherry.

If the returns are to be relied upon, the solitary Mill in this little French Settlement consumes annually less and less Cotton. Four years ago it took 5,400 bales, last year but 2,400 bales.

Consumption of Cotton by the Mills.

In the first six of the last eleven years, as shown in table No. 84, the mill consumption of the total supply averaged 22·02 per cent.; in the last five years it has risen to an annual average of 33·37 per cent. While the exports from India in the past three official years have ranged between 1,521,000 and 1,552,000 bales, the consumption by the Indian Mills has risen from 726,000 to 889,000 bales, or from 31.87 to 36·87 per cent. of the available supply. The share of each Province in the total consumption, during the year ending 30th June 1889, was as follows :—

Mills situated in—	Bales of 3½ cwts.	Per cent.
Bombay Island	563,730	63·43
Do. Up-country Mills	103,968	11·69
Bombay Presidency, Total...	667,698	75·12
Berars	5,536	·62
Central Provinces	26,006	2·93
Nizam's Dominions...	10,732	1·21
Central India	9,864	1·11
Bengal Presidency	85,096	9·58
N.-W. Provinces	27,075	3·05
Madras Presidency	43,750	4·93
Travancore	4,718	·53
Mysore	5,778	·65
Pondicherry...	2,400	·27
Total all India ...	888,654	100·00

No. 65.

List of Cotton Spinning and Weaving Mills

Working and in course of construction *in Bombay Island* on 30th June, 1889.

No.	Mills.	Paid-up Capital.	Spindles.	Looms.	Hands employed daily.	Cotton consumed in the year. Bales.	REMARKS.
1	Alexandra Mill (Private)	6,10,000	27,224	389	970	9,422	
2	Anglo-Indian S. & M. Co., Ld.....	9,36,000	33,432	...	785	12,880	12,160 Spindles being added.
3	Alliance Cotton M. Co., Ld.	18,00,000	36,716	202	1,100	12,460	
4	Bombay Cotton M. Co., Ld.	3,60,000	6,716	...	317	8,968	
5	Bombay United S. & W. Co., Ld..	9,00,000	22,160	450	740	7,714	
6	City of Bombay M. Co., Ld.	7,00,000	32,680	...	850	13,130	
7	Colaba Land & Mill Co., Ld.	28,00,000	19,140	371	900	9,000	Capital includes landed and other properties.
8	Connaught Mills Co., Ld.	4,20,000	31,980	...	1,114	14,810	
9	Coorla S. & W. Co., Ld.	13,00,000	35,152	551	1,279	12,342	
10	David Mills Co., Ld.	8,00,000	23,360	...	750	10,000	
11	Dhun Mills, Ld.	10,00,000	17,808	...	456	6,770	
12	Empress S. & W. Co., Ld.	10,61,625	35,752	...	775	14,520	
13	Essa Callifah S. & W. M. (Private)	...	16,506	150	415	3,600	
14	E. D. Sassoon Mill (Private)	...	47,208	513	1,801	21,864	
15	Framjee Petit S. & M. Co., Ld. ...	12,50,000	35,352	...	1,100	16,012	
16	The Gordon S. & M. Co., Ld.	12,88,500	50,312	...	1,491	21,000	
17	Hindoostan S. & W. Mills Co., Ld..	12,00,000	35,502	701	1,500	11,714	
18	Howard & Bullough Mills Co., Ld.	6,47,600	43,760	...	1,241	15,960	
19	Indian M. Co., Ld.	12,00,000	29,180	599	1,050	8,000	
20	Imperial Mills Co., Ld.	6,80,000	37,962	...	940	15,020	
21	Jadowjee Raghowjee M. Co., Ld. .	10,00,000	29,170	...	662	6,802	
22	Jamshed M. Co., Ld.	8,00,000	21,768	...	647	8,000	
23	Jewraj Balloo S. & W. Co., Ld. ...	11,00,000	39,016	521	1,228	11,780	
24	James Greaves Mills Co., Ld.	6,60,000	38,940	...	1,010	16,340	
25	Jubilee M. Co., Ld.....	6,39,000	19,632	...	578	880	Commenced work in June 1889.
26	Kaiser-i-Hind S. & W. Co. (Private).	7,00,000	23,908	470	1,000	10,800	
27	Khatao Mackanjee S. & W. Co., Ld.	9,95,000	25,164	340	750	7,480	
28	Lakhmidas Khimjee S. & W. Co., Ld	10,00,000	33,364	...	831	13,134	
29	Lalljee Spinning Mill Co. (Private).	1,50,000	5,600	...	200	3,000	closed down
30	Leopold Spinning, Bleaching & M. Co., Ld.	3,50,000	10,728	...	406	9,530	
31	Mahaluxumee S. & W. Co., Ld. ...	6,50,000	24,052	...	775	9,066	
32	Mazagon S. & M. Co., Ld.	12,50,000	30,096	420	1,208	10,600	
33	Motilall Pitty S. Mill (Private) ...	...	16,000	...	400	...	
34	Morarjee Goculdass S. & W. Co., Ld.	11,50,000	38,464	517	1,388	13,730	Just commenced work.
35	Manockjee Petit M. Co., Ld.	40,50,000	55,608	1,177	3,375	26,520	
36	Dinshaw Petit Mills		42,104	851	2,200	19,540	
37	Naigaum Cotton Cleaning & M. Co., Ld.	1,01,600	3,500	...	...	...	In liquidation.
38	New Great Eastern S. & W. Co., Ld.	15,00,000	33,192	709	860	7,004	
39	National S. & W. Co. of India, Ld.	6,00,000	19,000	...	532	6,000	
40	Nicol Mill (Private)	3,61,000	19,832	...	466	6,400	closed down 1890
41*	Narayan Cotton Mills, Ld.	5,00,000	12,392	...	...	...	In liquidation.
42	Oriental S. & W. Co., Ld. (Tardeo)	35,75,000	49,728	927	1,993	14,848	
43	Do. do. (Colaba)		22,020	341	920	7,230	
44	Okerda Khetsey Spinning Mill (Private.)	...	25,980	...	604	6,712	
45	People of India S. & M. Co., Ld...	2,50,000	6,868	...	227	3,250	
46	Presidency Mills Co., Ld....	8,49,000	16,984	384	700	5,430	
47	Prince of Wales S. & M. Co., Ld...	2,72,500	30,080	400	1,019	9,000	
48	Queen S. & W. Co., Ld.	8,00,000	34,620	...	700	12,620	
49	Ripon M. Co., Ld.	6,36,000	34,596	...	812	13,260	
50	Sassoon S. & W. Co., Ld.	15,00,000	52,284	954	1,800	19,700	
51	Soonderdass S. & W. Mills Co., Ld.	6,50,000	16,680	201	725	7,126	
52	Star of India Mills Co., Ld.....	10,00,000	41,552	...	1,100	1,200	
53	Swadeshi Mills Co., Ld.	15,00,000	52,750	650	1,900	14,000	
54	Victoria M. Co., Ld.	6,00,000	15,360	...	600	7,006	
55	Western India S. & M. Co., Ld. ...	12,00,000	32,400	592	1,300	10,556	
	Total...	4,93,42,825	1,591,328	13,380	52,490	563,730	

* Now named "Mahamedan Mill" (formerly the Girgaum C. M. Co., Ld.)

No. 65—*continued.*

No.	Mills.	Paid-up Capital.	Spindles.	Looms.	Hands employed daily.	Cotton consumed in the year. Bales.	REMARKS.
	IN COURSE OF ERECTION, BOMBAY ISLAND.						
		Rs.					
56	Baladina S. & M. Mill	7,00,000	20,400	...	...	...	
57	Bombay National M. Co., Ld.	3,19,000	17,032	...	...	...	
58	Britannia Mills, Ld.	10,00,000	.....	...	...	...	
59	China Mill, Ld.	.....	.....	...	...	...	
60	Currimbhoy Mills Co., Ld.	3,13,800	30,400	...	...	...	
61	Indo-China M. Co., Ld.	4,68,750	25,404	...	...	...	
62	Kunkeshwar S. Co., Ld.	.....	.....	...	...	...	
63	Lord Reay M. Co., Ld.	.....	.....	...	...	...	
64	Peroo Mahamed M. Co., Ld.	90,000	25,000	...	...	...	
65	Sorab Woollen & Cotton M. Co., Ld.	.....	.....	...	...	...	
66	Sun Mills, Ld.	.....	15,800	...	...	...	
67	Union S. & M. Co., Ld.	.....	.....	...	...	...	
68	Union Mills, Ld.	4,56,750	20,752	...	...	...	
69	Wadia Mills, Ld.	1,00,000	16,104	...	...	...	
	BOMBAY PRESIDENCY, OTHER THAN IN THE ISLAND OF BOMBAY.						
1	Ahmedabad S. & W. Co.	9,31,950	28,524	408	1,290	8,068	*Where situated.* Ahmedabad.
2	Albert Edward Mills Co., Ld.	5,00,000	26,034	...	599	8,578	Broach.
3	Alfred M. Co., Ld.	5,00,000	20,114	150	565	5,918	Do.
4	Ahmedabad Ginning & M. Co., Ld.	6,56,250	41,500	484	1,339	5,576	Ahmedabad.
5	Ahmedabad M. & Calico Printing Co., Ld.	5,00,000	9,856	169	400	2,672	Do.
6	Ambica S. & M. Co., Ld.	4,42,500	15,336	125	525	3,864	Do.
7	Baroda State S. & W. Mills (Private)	6,35,800	13,740	200	635	3,282	Baroda.
8	Bechardas S. & W. Mills (Private)	abt. 7,50,000	20,216	304	531	2,750	Ahmedabad.
9	Goolam Baba S. & W. Co., Ld.	7,50,000	15,312	...	582	6,728	Surat.
10	Gokak Water Power & M. Co., Ld.	*12,00,000	20,736	...	680	5,000	Gokak Falls, Belgaum.
11	Gujerat Ginning & M. Co., Ld.	5,19,750	20,794	...	691	6,762	Ahmedabad.
12	Gujerat S. & W. Co., Ld.	4,20,000	16,728	370	750	4,868	Do.
13	Jaffer Ali S. & W. Co., Ld.	6,70,750	16,446	150	500	4,600	Surat.
14	Khandeish S. & W. Mills Co., Ld.	7,50,000	17,996	224	754	5,898	Julgaon.
15	Munore Mill (formerly known as Nariad S. & W. Co., Ld.) (Private.)	.....	13,252	...	406	...	Nariad.
16	Beg Mahomed Mill (formely Nabab of Beyla M. Co., Ld.) (Private)	3,86,000	10,462	...	...	...	Surat.
17	The Mofussil Cotton M. Co. (formerly Nurbudda S. & W. Co.) (Private)	3,00,000	20,198	200	525	5,228	Broach.
18	Sholapur S. & W. Co., Ld.	6,78,500	25,160	200	785	8,236	Sholapore.
19	Southern Mahratta S. & W. Co., Ld.	5,97,250	18,960	...	700	6,600	Hubli.
20	Veeramgam S. & M. Co., Ld.	4,00,000	15,086	138	453	5,540	Veeramgaum.
21	Venishunker Luxmi shunker Cotton Mill Co., Ld.	4,50,000	10,576	175	430	3,800	Bhownugger.
22	Tricumlal Harilal S. & M. Co., Ld.	1,11,000	14,640	...	...	...	Ahmedabad, [being erected.]
	Total...	1,21,49,750	411,666	3,297	13,090	103,968	
91	Total Bombay Presidency.						
	Berar.						
1	Berar M. Company, Ld.	4,52,800	17,024	214	522	5,536	Budnera.
2	Aurungabad Mills (Private)	.....	16,500	124	515	...	Aurungabad [commenced work Dec. 1888.]
	Total.....	4,52,800	33,524	338	1,037	5,536	
	Central Provinces.						
1	Goculdas Ballabdas Cotton M. Co., Ld.	5,27,000	11,632	100	520	3,100	Jubbulpore.
2	The Hinghunghat Mill Co., Ld.	3,50,000	18,248	...	728	5,600	Hinghunghat.
3	Central India S. W. & M. Co., Ld.	18,75,000	37,840	500	2,546	17,306	Nagpore.
	Total.....	27,52,000	67,720	600	3,794	26,006	

* £80,000 at Exchange 1s. 4d.

No. 65—*continued.*

No.	Mills.	Paid-up Capital.	Spindles.	Looms.	Hands employed daily.	Cotton consumed in the year. Bales.	REMARKS.
		Rs.					*Where situated.*
	Hyderabad (Nizam's Territory).						
1	Hyderabad (Deccan) S. & W. Co., Ld.	7,00,000	15,172	205	700	4,200	Hyderabad.
2	The Mahuboob Shahi Kulburga Mills Co., Ld. (formerly Kulburga Mills Co., Ld.)	5,79,150	20,000	220	835	6,532	Kulburga.
	Total.....	12,79,150	35,172	425	1,535	10,732	
	Central India.						
1	H. H. Holkar's Cotton S. & W. Mills.	8,00,000	26,036	464	714	9,864	Indore.
	Bengal Presidency.						
1	Bowreah Cotton Mills Co., Ld. ...	18,00,000	45,000	.....	950	15,796	Bowreah, Calcutta.
2	Bengal Mills Co., Ld.....	†12,60,000	(1) 30,276	.....	950	15,600	Garden Reach do.
3	Dunbar Cotton Mill, Ld.....	13,28,500	47,884	.....	1,300	17,696	Shamnagar do.
4	Empress of India Cotton Mills Co., Ld.	8,75,000	32,256	.....	800	9,062	Shampore do.
5	Garden Reach S. & M. Co., Ld.....	13,05,000	32,400	.....	1,000	12,132	Garden Reach do.
6	Goosery Cotton Mills Co., Ld.	‡15,00,000	41,942	.....	1,300	14,810	Goosery do.
7	Calcutta Cotton Mills Co., Ld.....	2,50,000	20,000	.....	.....	.....	Do. do. (in course of erection)
	Total.....	83,18,500	249,758	.....	6,300	85,096	
	North-West Provinces.						
1	Elgin Mills (Private)	.....	31,300	387	1,200	3,600	Cawnpore.
2	The Agra S. & W. Mills Co., Ld....	4,01,200	10,770	203	539	1,392	Agra.
3	The Muir Mills Co., Ld.....	15,00,000	42,660	1,216	1,863	11,270	Cawnpore.
4	Cawnpore Cotton Mills Co., Ld. ...	10,00,000	32,400	200	1,000	8,162	Do.
5	The Victoria Mills Co., Ld.	3,21,100	(2) 10,112	127	310	2,652	Do.
	Total.....	32,22,300	127,242	2,133	4,912	27,076	
	Madras Presidency.						
1	Bellary S. & W. Co., Ld.	4,35,500	15,792	100	523	5,012	Bellary.
2	Buckingham Mill Co., Ld.....	7,00,000	35,140	.....	1,000	10,800	Madras.
3	Carnatic Mill Co., Ld.....	10,00,000	26,656	370	1,150	7,400	Do.
4	Madras United S. & W. M. Co., Ld.	5,00,500	23,064	.....	508	7,308	Do.
5	Southern India S. & W. Co., Ld...	5,00,000	15,460	.....	450	4,486	Do.
6	Malabar S. & W. Co., Ld.....	6,00,000	10,800	.....	260	2,000	Calicut.
7	Tinnevelly Mills Co., Ld.....	3,82,500	15,888	.....	450	5,870	Ambasamudram
8	Coral Mills Co., Ld.....	5,55,750	(3) 10,000	.....	330	874	Tuticorin.
9	Coimbatore S. & W. Co., Ld.....	.....	.....	.....	.....	.....	Coimbatore (being erected.)
	Total.....	46,74,250	152,800	470	4,671	43,750	
	Travancore.						
1	The Darragh S. Mill (Private).....	.....	(4) 21,300	.....	675	4,718	Quilon.
	Mysore.						
1	Maharaja of Mysore S. & M. Co., Ld.	4,17,000	15,148	.....	405	3,178	Bangalore.
2	The Bangalore Woollen, Cotton & Silk Mills Co., Ld.	4,00,000	8,024	.....	475	2,600	Do.
	Total.....	8,17,000	23,172	.....	880	5 778	
	Pondicherry.						
1	Savana Societe Anonyme	§ 29,41,150	22,800	454	1,500	2,400	Pondicherry.
124	Total.	*8,67,49,725	2,762,518	21,711	91,598	888,854	
	In Ceylon.						
1	Ceylon S. and W. Co., Ld.....	.....	10,000	150	.....	.....	Colombo (in course of erection).

* Exclusive of 7 Mills, privately owned, whose capitals are not stated.

† £ 84,000 at Exchange 1s. 4d. ‡ £ 87,000 at Exchange 1s. 4d. § Francs 5,000,000 at Exchange 1·70.

(1) 30,000 additional Mule Spindles in course of erection. (3) 10,000 additional Spindles in course of erection.

(2) 2,136 Ring " " " (4) 4,188 " "

No. 66.

List of Cotton Spinning and Weaving Mills in India early in 1876.

On the Island of Bombay.

	Name of Mill.	Capital.	Number of Spindles.	Number of Looms.	Total Production of yarn.	Date of Formation of Company.
		Rs.			lbs.	
1	Albert Mills Co., Ld.	8,00,000	19,000	Nil.	4,500	May 11, 1865.
2	Alexandra S. & W. Co., Ld.	9,00,000	15,632	200	4,000	Oct. 9, 1868.
3	(1.) Alliance S. &. W. Co., Ld.	12,50,000	22,000	Nil.	5,100	Jan. 10, 1857.
4	Arkwright S. Co....	1,40,000	5,000	Nil.	1,200	Foundt. 1861.
5	(2.) Bombay S. &. W. Co., Ld.	5,50,000	29,000	Nil.	5,100	„ 1854.
6	Bombay United S. & W. Co., Ld. ...	9,00,000	21,000	351	5,300	Feb. 21, 1860.
7	(3.) Fleming S. & W. Co., Ld.	18,75,000	35,300	748	8,000	Aug. 8, 1860.
8	(4.) New Dhurumsey Punjabhoy S. &					
9	W. Co., Ld...	50,00,000	90,000	1,002	15,000	Aug. 1, 1860.
10	Jewraj Balloo S. &. W. Co., Ld. ...	7,50,000	22,500	Nil.	5,000	Dec. 28, 1872.
	New Great Eastern S. & W. Co., Ld. ...	15,00,000	30,488	608	7,500	Sep. 17, 1860.
11	Morarjee Goculdas S. & W.Co., Ld. ...	12,00,000	26,000	275	6,000	Aug. 10, 1871.
12	Oriental S. & W. Co., Ld.	25,00,000	51,000	920	11,500	Sep. 19, 1855.
13	Sunderdas S. & W. Mill Co., Ld.... ...	10,00,000	21,000	Nil.	5,000	Feb. 5, 1872.
14	(5.) Victoria Mill Co., Ld....	6,00,000	13,885	Nil.	3,250	Mar. 22, 1860.
15	Hindustan S. & W. Co., Ld...	10,00,000	25,200	Nil.	4,500	Aug. 27, 1873.
16	Manockjee Petit S. & W. Co., Ld. ...	25,00,000	61,000	1,000	14,000	June 17, 1861.
	Total	2,24,65,000	488,005	5,104	*104,950	.....

New Mills in contemplation and in course of completion in Bombay.

		Rs.				
1	Shamjee Jadowjee's Mill	8,00,000	20,000	.....	.....	1872.
2	National S. & W. Co.	5,00,000	17,000	.....	.....	Feb. 5, 1874.
3	Colaba Land Co. S. & W. Mill	10,00,000	25,000	300	.....	July 1, 1874.
4	Colaba S. & W. Co., Ld.	9,00,000	35,000	300	.....	July 9, 1873.
5	Sassoon's S. & W. Co.	15,00,000	50,200	750	.....	Mar. 5, 1874.
6	Nicol Press & Mill Co....	12,00,000	21,500	.....	.....	Oct. 25, 1873.
7	Khatao S. & W. Co.	10,00,000	30,000	300	.....	Oct. 19, 1874.
8	Prince of Wale S. & W. Co.	7,50,000	20,000	200	.....	July 14, 1874.
9	Frere S. & W. Co....	25,00,000	.....	.....	.....	Sept 30, 1874.
10	Mandvi S. & W. Co.	6,00,000	25,000	300	.....	July 29, 1874.
11	Mazagon S. & W. Co.	10,00,000	30,000	300	.....	Aug. 20, 1874.
12	Elphinstone S. & W. Co.	8,00,000	20,000	200	.....	Jan. 28, 1874.
13	Anglo-Indian S. & M. Co.	30,00,000	.....	.....	.....	Nov. 4, 1874.
	Total	1,63,50,000	318,700	2,650	.....	.....

* Of which 47,300 lbs. yarn used for making cloth and 57,650 lbs. available for sale.

(1.) Alliance, formerly "Throstle" Mill Company, Limited, sold September 1863, for Rs. 7,31,000 and sold again, May 1864, for Rs. 12,50,000 to Company. (2.) Sold, February 1875, for Rs. 6,75,000. (3.) Originally "Royal" S. & W. Company, Limited. Reconstructed as "Fleming," 30th June 1874. (4.) Originally "Cooria" S. & W. Company. On October 7, 1869, Company wound up and reconstructed. On 16th April 1872 again wound up and reconstructed as the New "D. P." On August 25, 1874, wound up a third time and re-started. (5.) Made into a new Company and enlarged, November 1874.

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No. 66—*continued.*

Mills Up-country.

	Name of Mill.	Locality.	Capital.	Number of Spindles.	No. of Looms.	Total Production of Yarn.	Date of Formation.
			Rs.			lbs.	
1	Ahmedabad S. & W. Co....	Ahmedabad	3,00,000	20,000	200	4,500	Aug. 18, 1858.
2	Bechardas do.	Do. ...	5,00,000	15,000	100	3,500	Nov. 1, 1864.
3	Jaffer Ali S.& W. Co., Ld.	Surat ...	4,50,000	10,000	100	2,700	Mar. 10, 1861.
4	Broach Mills Co., Ld.	Broach ...	6,00,000	17,500	Nil.	3,500	May 10, 1870.
5	Alfred Mills do.	Do. ...	2,50,000	5,000	„	1,170	July 21, 1873.
6	Maharajah Holkar's Mill	Indore ...	8,50,000	10,274	225	2,200	Mar. 1872.
7	Bhownugger M. & P. Co., Ld... ...	Bhownugger	6,00,000	12,000	Nil.	2,500	Sept. 2, 1871.
8	Khandeish S. & W. Co.	Julgaum ...	7,50,000	15,000	200	2,000	Nov. 18, 1873.
		Total ...	43,00,000	104,774	825	*22,070	

New Mills in contemplation and in course of completion, Up-country.

1	Gulam Baba S. & W. Co., Ld	Surat ...	6,00,000	20,000	100	...	May. 14, 1874.
2	Madras S. & W. Co., Ld.....	Madras ...	3,75,000	15,000	Nil.	...	Aug. 18, 1873.
3	Madras United S. & W. Co., Ld. ...	Do. ...	3,50,000	12,000	...	...	Dec. 22, 1873.
4	Sholapur S. & W. Co.	Sholapur ...	5,00,000	...	...	...	Dec. 10, 1874.
5	Hyderabad do.	H. Deccan ...	7,00,000	20,000	125	...	Feb. 25, 1875.
6	Oomrawuttee C. M. Co.	Oomrawuttee	10,00,000	30,000	300	...	July 4, 1874.
7	Central India S. & W. Co.	Nagpore ...	12,50,000	30,000	500	...	Sept. 5, 1874.
8	Nariad S. & W. Co., Ld....	Nariad ...	4,00,000	10,000	Nil.	....	Oct. 24, 1874.
		Total ...	51,75,000	137,000	1,025	....	
	Total on Bombay Island...	16	2,24,65,000	488,005	5,104	104,950	
	Total in Bombay Presidency, Up-country	7	34,50,000	94,500	600	19,870	
	Total Bombay Presidency	23	2,59,15,000	582,505	5,704	124,820	
1	Central India	Indore 1	8,50,000	10,274	225	2,200	1872.
2	Bengal	Calcutta 2	...	...	...	...	(1) 1872. & 1875.
3	N.-W. Provinces	Cawnpore 1	...	...	...	...	1871.
	Total India ...	27	...	...	...	...	

* Of which 5,900 lbs. yarn used for cloth, 16,170 lbs. available of sale.

No. 67.

Cotton Spinning and Weaving Mills working and in course of erection in India, on 30th June, 1889.

Where Situated.	Number of Mills.	Total paid-up Capital.	Number of Spindles.	Number of Looms.	Average No. of Hands employed daily.	Approximate amount of Cotton consumed.	
						Cwts.	Bales of 392 lbs.
Bombay Island, Working	55	Rs. 4,93,42,825	1,591,328	13,380	54,490	1,973,055	563,730
Do. (Being erected)	14	.....	.....	.....	.....	.....	.....
Bombay Presidency (Up-country)	*22	1,21,49,750	411,666	3,297	13,090	363,888	103,968
Total Bombay Presidency.....	91	6,14,92,575	2,002,994	16,677	65,580	2,336,943	667,698
Berar	2	4,52,800	33,524	338	1,037	19,376	5,536
Central Provinces ...	3	27,52,000	67,720	600	3,794	91,021	26,006
Hyderabad (Nizam's).	2	12,79,150	35,172	425	1,535	37,562	10,732
Central India	1	8,00,000	26,036	464	714	34,524	9,864
Bengal Presidency ...	*7	83,18,500	249,758	.....	6,300	297,836	85,096
N.-W. Provinces	5	32,22,300	127,242	2,133	4,912	94,766	27,076
Madras	*9	46,74,250	152,800	470	4,671	153,125	43,750
Travancore.....	1	.....	21,300	.....	675	16,513	4,718
Mysore	2	8,17,000	23,172	.....	880	20,223	5,778
Pondicherry	1	29,41,150	22,800	454	1,500	8,400	2,400
Total all India.....	124	†8,67,49,725	2,762,518	21,561	91,598	3,110,289	888,654

Increase compared with 1888.

Bombay Island.....	8	39,33,550	134,313	628	6,701	223,041	63,726
Do. Presidency (Up-country) ...	1	6,29,250	48,312	485	1,680	24,171	6,906
Bombay Presidency. Total	9	45,62,800	182,625	1,113	8,381	247,212	70,632
Other Provinces	1	8,17,250	91,042	952	838	108,640	31,040
Total all India	10	53,80,050	273,667	2,065	9,219	355,852	101,672

* Including one Mill at Ahmedabad, Bombay Presidency, and one in Bengal, at Calcutta, and one at Coimbatore in Madras being erected.

† Excluding the capital of 7 Mills, privately owned (4 in Bombay Island, 1 in Bombay Presidency, 1 in Berar and 1 in the N.-W. Provinces,) of which no returns received. Of the new Bombay Island Mills three have commenced working in the past year, and two old ones remain in liquidation.

Total paid-up capital of 117 Mills, 867½ lakhs of rupees, or with the privately owned ones, say, 918 lakhs, *plus* 50 per cent. for borrowed capital gives a total of, say, 1,377 lakhs of rupees invested in the industry.

No. 68.

Cotton Spinning and Weaving Mills working and in course of Erection in India on June 30th, 1888.

Where situated.	Number of Mills.	Total Paid-up Capital.	Number of Spindles.	Number of Looms.	Average No. of Hands employed daily.	Approximate Quantity of Cotton consumed.	
						Cwts.	Equivalent in Bales of 392 lbs.
		Rs.					
Bombay City and Suburbs ...	*61	4,54,09,475	1,457,015	12,752	47,789	1,750,014	500,004
Do. Up-country	21	1,15,20,500	363,354	2,812	11,410	339,717	97,062
Total Bombay Presidency ...	82	5,69,29,975	1,820,349	15,564	59,199	2,089,731	597,066
Berar	2	4,52,800	34,380	124	607	9,072	2,592
Central Provinces	3	27,44,200	66,732	600	3,798	83,825	23,950
Nizam's Territory	2	12,79,650	33,812	400	1,200	42,868	12,248
Central India	1	8,00,000	26,036	464	714	34,524	9,864
Bengal Presidency	6	79,93,500	230,222	Nil	6,600	256,536	73,296
N.-W. Provinces and Oudh ...	5	33,00,000	94,468	1,520	3,331	60,466	17,276
Madras Presidency	9	41,18,500	130,080	370	3,790	136,568	39,018
Travancore	1	.....	11,040	Nil	370	14,350	4,100
Mysore	2	8,09,900	18,912	Nil	270	12,502	3,572
Pondicherry	1	29,41,150	22,800	454	2,500	14,000	4,000
Total India ...	†114	8,13,69,675	2,488,851	19,496	82,379	2,754,437	786,982

* One Mill (on Bombay Island) was burnt down in this year. Of the 52 fully equipped Mills on the Island of Bombay two were in liquidation, as was another in the Presidency.

† *N. B.*—Of the above total of 114, 9 were in course of construction on Bombay Island; 1 in the Presidency (up-country); 1 in Berar; 2 in the N.-W. Provinces; 2 in Madras and 1 in Mysore; Total 16.

No. 69.

Cotton Spinning and Weaving Mills working and in course of Erection in India on June 30th, 1887.

Where situated.	Number of Mills.	Total Paid-up Capital.	Number of Spindles.	Number of Looms.	Average No. of Hands employed daily.	Approximate Quantity of Cotton consumed.	
						Cwts.	Bales of 392 lbs.
		Rs.					
Bombay City and Suburbs ...	55	(1)446,18,828	1,446,644	12,163	43,270	1,587,649	453,614
Do. Up-country	20	1,09,82,050	332,576	2,763	11,445	310,947	88,842
Total Bombay Presidency ...	75	5,56,00,878	1,779,220	14,926	54,715	1,898,596	542,456
Berar	2	(2) 4,52,800	32,380	150	616	18,242	5,218
Central Provinces	3	27,19,200	63,166	540	3,262	79,268	22,648
Hyderabad (Nizam's Territory)	2	12,79,650	33,812	400	1,150	42,518	12,148
Central India	1	8,00,000	26,036	464	714	34,524	9,864
Bengal Presidency	6	77,16,833	230,538	Nil	6,928	259,742	74,212
N.-W. Provinces and Oudh ...	4	(3) 22,50,000	104,152	1,267	3,259	48,720	13,920
Madras Presidency	7	36,68,500	107,776	335	3,198	118,356	33,816
Travancore	1	(4)	11,040	Nil	350	13,300	3,800
Mysore	1	4,50,000	10,370	Nil	250	10,500	3,000
Pondicherry	1	27,77,800	22,800	454	2,500	18,200	5,200
Total India ...	103	7,77,15,661	2,421,290	18,536	76,942	2,541,966	726,276

N. B.—(1) Two privately owned Mills no returns; (2) one no returns; (3) two no returns; (4) no returns. Total estimated paid-up Capital of 103 Mills nearly 8,90,00,000 rupees.

No. 70.

Progress of Cotton Mills in India.

Years ending 30th June	Number of Mills.	Number of Spindles.	Number of Looms.	Average No. of Hands employed daily.	Approximate Quantity of Cotton consumed.	
					Cwts.	Bales of 392 lbs.
1861	12	338,000	?	?	227,500	65,000
1874	27	593,000	?	?	399,000	114,000
1876	47	1,100,112	9,139	?	693,000	198,000
1877	51	1,244,206	10,385	?	752,500	215,000
1878	53	1,289,706	10,533	?	787,500	225,000
1879	56	1,452,794	13,018	42,914	936,547	267,585
1880	56	1,461,590	13,502	44,410	1,076,708	307,631
1881	57	1,513,096	13,707	46,430	1,326,461	378,989
1882	65	1,620,814	14,172	48,467	1,391,467	397,562
1883	67	1,790,388	15,373	53,476	1,597,946	456,556
1884	79	2,001,667	16,262	60,387	1,859,777	531,365
1885	87	2,145,646	16,537	67,186	2,088,621	596,749
1886	95	2,261,561	17,455	74,383	2,251,214	643,204
1887	103	2,421,290	18,536	76,942	2,541,966	726,276
1888	114	2,488,851	19,496	82,379	2,754,437	786,982
1889	124	2,762,518	21,661	91,598	3,110,289	888,654

No. 71.

Progress of Cotton Mills in the Island of Bombay only since 1865.

Years ending 30th June	Number of Mills.	Number of Spindles.	Number of Looms.	Average No. of Hands employed daily.	Approximate Quantity of Cotton consumed.	
					Cwts.	Bales of 392 lbs.
1865	10	249,984	3,378	6,557	147,000	*42,000
1866	10	274,371	3,254	6,733	161,000	*46,000
1867	10	278,057	3,578	7,630	164,500	*47,000
1868	10	282,644	3,643	7,715	168,000	*48,000
1869	10	285,874	3,719	7,857	171,500	*49,000
1870	10	290,920	4,090	8,103	175,000	*50,000
1871	10	305,896	4,290	8,553	182,000	*52,000
1872	11	314,396	4,302	8,816	185,500	*53,000
1873	14	394,592	4,606	10,714	235,763	67,361
1874	15	462,151	5,713	11,398	289,065	82,590
1875	27	752,634	7,781	13,551	472,500	*135,000
1876	29	816,830	8,041	*16,449	514,500	*147,000
1877	31	895,204	8,433	20,347	564,270	161,220
1878	32	955,344	10,266	26,942	715,078	204,303
1879	32	981,000	10,856	28,860	632,436	180,696
1880	32	987,676	10,856	29,417	771,239	220.354
1881	32	991,522	10,932	31,351	954,772	272,792
1882	36	1,056,004	11,274	31,801	971,061	277,446
1883	38	1,126,698	11,667	34,736	1,094,016	312,576
1884	43	1,251,726	11,985	36,071	1,218,490	348,140
1885	49	1,347,390	12,011	41,545	1,373,743	392,498
1886	50	1,388,773	12,068	44,111	1,369,039	391,154
1887	55	1,446,644	12,163	43,270	1,587,649	453,614
1888	61	1,457,015	12,752	47,789	1,750,014	500,004
1889	69	1,591,328	13,380	52,490	1,973,055	563,730

* Estimated.

No. 72.

Progress of Cotton Mills in the Presidency of Bombay, other than those in the Island of Bombay, since 1865.

Years ending 30th June	Number of Mills.	Number of Spindles.	Number of Looms.	Average No. of hands employed daily.	Approximate Quantity of Cotton consumed.	
					Cwts.	Bales of 392 lbs.
1865	3	35,540	201	800	Not recorded.	
1866	3	35,540	201	1,000	Do.	
1867	3	35,540	201	1,000	Do.	
1868	3	35,540	201	1,000	Do.	
1869	3	35,540	201	1,000	Do.	
1870	4	52,540	351	1,400	Do.	
1871	4	52,540	351	1,400	Do.	
1872	4	52,640	351	1,400	Do.	
1873	4	55,564	366	1,503	26,471	7,563
1874	4	62,379	390	1,925	30,586	8,739
1875	9	133,464	558	2,145	Not recorded.	
1876	10	147,153	640	2,986	Do.	
1877	10	148,740	858	3,827	65,030	18,580
1878	10	149,502	1,278	4,728	97,090	27,740
1879	10	166,310	1,455	5,622	112,168	32,048
1880	10	166,508	1,540	5,643	130,739	37,354
1881	10	166,988	1,578	5,677	136,990	39,140
1882	13	161,532	1,772	5,766	131.187	37,482
1883	13	218,344	1,949	6,241	145,796	41,656
1884	17	272,773	2,314	8,829	227,108	64,888
1885	19	302,646	2,577	9,881	257,187	73,482
1886	20	310,024	2.567	10,068	312,165	89,190
1887	20	332,576	2,763	11,445	310,947	88,842
1888	21	363,354	2,812	11,410	339,717	97,062
1889	22	411,666	3,297	13,090	363,888	103,968

No. 73.

Progress of Bombay Mills in the Island and Presidency since 1865.

Years ending 30th June	Number of Mills.	Number of Spindles.	Number of Looms.	Average No. of Hands employed daily.	Approximate Quantity of Cotton consumed.	
					Cwts.	Bales of 392 lbs.
1865	13	285,524	3,579	7,357	Not recorded.	
1866	13	309,911	3,455	7,733	Do.	
1867	13	313,597	3,779	8,630	Do.	
1868	13	318,184	3,844	8,715	Do.	
1869	13	321,414	3,920	8,857	Do.	
1870	14	343,460	4,441	9,503	Do.	
1871	14	358,436	4,641	9,953	Do.	
1872	15	367,036	4,653	10,216	Do.	
1873	18	450,156	4,972	12,217	262,234	74,924
1874	19	524,530	6,103	13,323	319,651	91,329
1875	36	886,098	8,339	15,696	Not recorded.	
1876	39	963,983	8,681	(?)	Do.	
1877	41	1,043,944	9,291	24,174	629,300	179,800
1878	42	1,104,846	11,544	31,670	812,168	232,048
1879	42	1,147,310	12,311	34,482	744,604	212,744
1880	42	1,154,184	12,396	35,060	901,978	257,708
1881	42	1,158,510	12,510	37,028	1,091,762	311,932
1882	49	1,237,536	13,046	37,567	1,102,248	314,928
1883	51	1,345,042	13,616	40,977	1,239,812	354,232
1884	60	1,524,499	14,299	44,900	1,445,598	413.028
1885	68	1,650,036	14,588	51,426	1,630,930	465,980
1886	70	1,698,797	14,635	54,179	1,681,204	480,344
1887	75	1,779,220	14,926	54,715	1,898,596	542,456
1888	82	1,820,349	15,564	59,199	2,089,731	597,066
1889	91	2,002,994	16,677	65,580	2,336,943	667,698

No. 74.

Progress of Cotton Mills in Central India.

Years ending 30th June	Number of Mills.	Number of Spindles.	Number of Looms.	Average No. of Hands employed daily	Approximate Quantity of Cotton consumed.	
					Cwts.	Bales of 392 lbs.
1879	1	10,272	224	350	5,775	1,650
1880	1	10,272	224	388	5,950	1,700
1881	1	10,272	224	400	6,125	1,700
1882	1	10,272	224	416	6,570	1,877
1883	1	26,036	464	693	6,758	1,931
1884	1	26,036	464	714	8,631	2,466
1885	1	26,036	464	714	8,631	2,466
1886	*1	26,036	464	714	34,524	9,864
1887	1	26,036	464	714	34,524	9,864
1888	1	26,036	464	714	34,524	9,864
1889	1	26,036	464	714	34,524	9,864

* No Returns have been received, June 1886.

No. 75.

Progress of Cotton Mills in the Central Provinces.

Years ending 30th June	Number of Mills.	Number of Spindles.	Number of Looms.	Average No. of Hands employed daily.	Approximate Quantity of Cotton consumed.	
					Cwts.	Bales of 392 lbs.
1879	1	29,952	32	1,022	19,719	5,634
1880	1	29,952	220	1,289	26,061	7,446
1881	1	29,952	270	1,662	31,990	9,140
1882	2	40,216	325	1,971	47,271	13,506
1883	2	40,216	356	2,019	42,700	12,200
1884	2	41,552	356	1,855	36,901	10,543
1885	2	42,576	365	2,306	45,374	13,021
1886	2	47,040	406	2,850	65,597	18,742
1887	3	63,166	540	3,262	79,268	22,648
1888	3	66,732	600	3,798	83,825	23,950
1889	3	67,720	600	3,794	91,021	26,006

No. 76.

Progress of Cotton Mills in Berar.

Years ending 30th June	Number of Mills.	Number of Spindles.	Number of Looms.	Average No. of Hands employed daily.	Approximate Quantity of Cotton consumed.	
					Cwts.	Bales of 392 lbs.
1879	...	.....	...	...	.....	.....
1880	...	.....	...	...	.....	.....
1881	1	16,380	Nil.	400	No	returns.
1882	1	16,380	„	400		Do.
1883	1	16,380	„	418	8,806	2,516
1884	1	16,380	„	464	8,827	2,522
1885	1	16,380	„	537	7,070	2,020
1886	1	16,380	„	557	17,542	5,012
1887	2	32,380	150	616	18,242	5,212
1888	2	34,380	124	607	9,072	2,592
1889	2	33,524	338	1,037	19,376	5,536

No. 77.

Progress of Cotton Mills, Hyderabad (Nizam's Territory).

Years ending 30th June	Number of Mills.	Number of Spindles.	Number of Looms.	Average No. of Hands employed daily.	Approximate Quantity of Cotton consumed.	
					Cwts.	Bales of 392 lbs.
1879	1	15,000	200	550	5,058	1,445
1880	1	15,000	200	585	5,068	1,748
1881	1	15,000	200	600	12,485	3,567
1882	1	15,000	200	619	12,992	3,712
1883	1	15,000	200	592	12,716	3,633
1884	1	15,172	200	602	13,300	3,800
1885	1	15,172	205	605	12,950	3,700
1886	2	35,172	405	650	12,950	3,700
1887	2	33,812	400	1,150	42,518	12,148
1888	2	33,812	400	1,200	42,868	12,248
1889	2	35,172	425	1,535	37,562	10,732

No. 78.

Progress of Cotton Mills in the North-West Provinces.

Years ending 30th June	Number of Mills.	Number of Spindles.	Number of Looms.	Average No. of Hands employed daily.	Approximate Quantity Cotton consumed.	
					Cwts.	Bales of 392 lbs.
1879	2	38,328	136	1,200	16,954	4,844
1880	2	38,328	336	1,233	20,152	5,472
1881	2	38,328	377	1,194	19,600	5,600
1882	2	57,000	377	1,997	20,356	5,816
1883	2	66,648	696	2,219	35,000	10,000
1884	3	68,800	773	2,387	42,161	12,046
1885	3	80,356	779	2,659	37,499	10,714
1886	3	80,352	858	2,981	46,508	13,288
1887	4	104,152	1,267	3,259	48,720	13,920
1888	5	94,468	1,520	3,331	60,466	17,276
1889	5	127,272	2,133	4,912	94,766	27,076

No. 79.

Progress of Cotton Mills in the Madras Presidency (excluding Native States of Mysore and Travancore and also Pondicherry).

Years ending 30th June	Number of Mills.	Number of Spindles.	Number of Looms.	Average No. of Hands employed daily.	Approximate Quantity of Cotton consumed.	
					Cwts.	Bales of 392 lbs.
1879	3	47,872	Nil.	1,000	32,438	9,268
1880	3	47,872	„	1,107	36,138	10,325
1881	3	47,928	„	1,380	45,500	13,000
1882	3	59,076	„	1,507	58,527	16,722
1883	3	59,076	„	1,529	57,264	16,361
1884	5	84,136	129	2,333	77,812	22,232
1885	5	85,992	136	2,599	77,896	22,256
1886	7	95,728	235	2,925	116,221	33,206
1887	7	107,776	335	3,198	118,356	33,816
1888	9	130,080	370	3,790	136,563	39,018
1889	9	152,800	470	4,671	153,125	43,750

No. 80.

Progress of Cotton Mills in the Bengal Presidency, Calcutta.

Years ending 30th June	Number of Mills.	Number of Spindles.	Number of Looms.	Average No. of Hands employed daily.	Approximate Quantity of Cotton consumed.	
					Cwts.	Bales of 392 lbs.
1879	6	164,060	115	4,300	112,000	32,000
1880	6	166,062	126	4,728	116,312	33,232
1881	6	166,726	126	4,166	119,000	34,000
1882	6	185,334	Nil.	4,390	143,504	41,001
1883	6	221,990	"	5,029	194,891	55,683
1884	6	225,092	41	7,132	226,548	64,728
1885	6	229,098	41	6,340	268,072	76,592
1886	6	227,916	Nil.	6,972	248,010	70,860
1887	6	230,538	"	6,928	259,742	74,212
1888	6	230,222	"	6,600	256,536	73,296
1889	7	249,758	"	6,300	297,836	85,096

No. 81.

Travancore.

Years ending 30th June	Number of Mills.	Number of Spindles.	Number of Looms.	Average No. of Hands employed daily.	Approximate Quantity of Cotton consumed.	
					Cwts.	Bales of 392 lbs.
1886	1	11,120	Nil.	355	9,758	2,788
1887	1	11,040	"	350	13,300	3,800
1888	1	11,040	"	370	14,350	4,100
1889	1	21,300	"	675	16,513	4,718

No. 82.

Mysore.

Years ending 30th June	Number of Mills.	Number of Spindles.	Number of Looms.	Average No. of Hands employed daily.	Approximate Quantity of Cotton consumed.	
					Cwts.	Bales of 392 lbs.
1886	1	.....	...	...	.....	.....
1887	1	10,370	Nil.	250	10,500	3,000
1888	2	18,912	"	270	12,505	3,572
1889	2	23,172	"	880	20,228	5,778

No. 83.

Pondicherry.

Years ending 30th June	Number of Mills.	Number of Spindles.	Number of Looms.	Average No. of Hands employed daily.	Approximate Quantity of Cotton consumed.	
					Cwts.	Bales of 392 lbs.
1886	1	23,020	452	2,200	18,900	5,400
1887	1	22,800	454	2,500	18,200	5,200
1888	1	22,800	454	2,500	14,000	4,000
1889	1	22,800	454	1,500	8,400	2,400

No. 84.

Statement showing the total Exports of Cotton from India to Foreign Countries (in the official years ending 31st March) and the approximate Mill consumption (in the years ending 30th June), from 1878-79

In Bales of 3½ cwts. (392 lbs. net.)

Years ending 31st March.	From Bombay (Bombay).	From Sind (Kurrachee).	From Bengal (Calcutta).	From Madras (Madras, Coconada & Tuticorin).	From Burmah (Rangoon).	Total India Bales.	Approximate Quantities of Cotton consumed by Mills in the years ending 30th June in latter years.			Total Exports and Mill Consumption.	Proportion Mill Consumption to Total Exports and Mill consumption per cent.
							Bombay Presidency.	Other Parts of India.	Total India.		
1878-79	596,418	31,145	98,154	104,031	17,698	847,446	212,744	54,841	267,585	1,115,031	23·94
1879-80	724,785	32,088	230,745	119,821	20,699	1,128,136	257,708	49,923	307,631	1,435,767	21·44
1880-81	920,088	29,887	250,199	89,504	7,905	1,297,582	311,932	67,057	378,989	1,676,571	22·60
1881-82	1,266,619	37,648	200,668	101,191	1,717	1,607,844	314,928	82,634	397,562	2,005,406	19·80
1882-83	1,398,973	28,667	146,373	176,864	11,489	1,762,365	354,232	102,324	456,556	2,218,921	20·59
1883-84	1,303,324	16,437	181,897	179,956	23,321	1,704,935	413,028	118,337	531,365	2,236,300	23·74
1884-85	1,161,317	20,474	82,564	159,393	23,696	1,447,445	465,980	130,769	596,749	2,044,194	29·21
1885-86	931,320	35,594	119,074	94,658	16,416	1,197,062	480,344	162,860	643,204	1,840,266	34·94
1886-87	1,119,409	42,694	220,268	161,059	8,754	1,552,185	542,456	183,820	726,276	2,278,461	31·87
1887-88	1,122,730	37,467	176,693	188,086	10,607	1,535,583	597,066	189,916	786,982	2,322,565	33·86
1888-89	1,199,503	37,357	107,204	170,147	9,178	1,521,401	667,698	220,956	888,654	2,410,055	36·87

The following Tables have been compiled from Mr. Thomas Ellison's annual circulars. They are added for the purpose of showing the growth of the Indian industry and its relative importance, as compared with the trade of Great Britain, the Continent of Europe and the United States of America. In his latest review of the Cotton Trade for the season 1888-89, Mr. Ellison remarks : "The Continent now uses more Cotton than is consumed in Great Britain. The United States and the East Indies continue to make rapid progress. The following statement of the actual consumption of Cotton, in thousands of bales of 400 lbs., in the seasons named is instructive :—

No. 85.

	1888-89.	1886-87.	1876-77.	1870-71.	1860-61.
Great Britain...	3,770	3,691	3,182	3,013	2,614
Continent	4,069	3,640	2,450	1,962	1,723
United States...	2,692	2,448	1,571	1,116	1,009
East Indies.....	871	710	231	87	65
Total...	11,402	10,489	7,434	6,178	5,411

The particulars referring to the United States are exclusive of Cotton consumed in Mexico and Canada. The increase on the Continent is used chiefly by domestic consumers, and is mainly at the expense of the linen and woolen industries, especially the former."

Under the head of "Prospects" he remarks : "Last season the United States, Canada and Mexico used 2,416,275 bales of Cotton against 2,322,243 in 1887-88. This season, they will want 2,500,000 bales, or in bales of 400 lbs., 2,906,000 against 2,809,000 last season and 2,641,000 in 1887-88. The total quantity of Cotton consumed by Great Britain last season was 3,770,000 of 400 lbs. against 3,842,000 in 1887-88 ; but, as 207,000 bales were saved by short time, the total quantity spun would have been 3,977,000 if the spindles had been kept fully at work ; and it is not likely that less than that quantity will be used in the new season, unless consumption is checked by high prices. The Continent last season used 4,069,000 or 273,000 bales more than the season before. If the increase this season is only half of last season's increase, the total quantity required will be 4,205,000 bales. For the world, therefore, the total requirements will be 11,088,000 bales of 400 lbs." Including the requirements of Indian Mills over twelve million bales will be wanted. In conclusion Mr. Ellison adds : "The estimated figures compare as follow with the actual supply last season, and the actual consumption last season and the season before :—

No. 86.

	Actual supply, 1888-89.	Estimated requirements, 1889-90.	Actual consumption, 1888-89.	Actual consumption, 1887-88.
American	6,935,000	7,386,000	7,098,000	6,983,000
Brazilian	230,000	240,000	242,000	458,000
Egyptian	384,000	400,000	389,000	419,000
Smyrna, &c.	41,000	40,000	42,000	21,000
W. I., Peru, &c.	86,000	90,000	95,000	82,000
East Indian	1,638,000	1,640,000	1,536,000	1,398,000
Total ...	9,314,000	9,796,000	9,402,000	9,361,000
Average weight	452	453	453	439·2
Bales of 400 lbs.	10,524,000	11,088,000	10,648,000	10,279,000
Consumption per week	.....	213,200	204,800	197,700

The respective shares of Great Britain, Continental Europe, and the United States, &c., compare as follow in bales of 400 lbs. :—

	Totals.			Per week.		
	1889–90.	1888–89.	1887–88.	1889–90.	1888–89.	1887–88.
Great Britain	3,977,000	3,770,000	3,842,000	76,500	72,500	73,960
Continent	4,205,000	4,069,000	3,796,000	80,800	78,300	73,000
U. S. Canada, &c.....	2,906,000	2,809,000	2,641,000	55,900	54,000	50,800
Total ...	11,088,000	10,648,000	10,279,000	213,200	204,800	197,700

No. 87.

Estimate of the Number of Spindles in Europe, America and India.

Country.	1889.	1888.	1887.	1886.	1885.	1884.
Great Britain	43,500,000	43,000,000	*42,740,000	†42,700,000	43,000,000	43,000,000
Continent	24,000,000	23,500,000	23,180,000	22,900,000	22,750,000	22,650,000
Total Europe...	67,500,000	66,500,000	65,920,000	65,600,000	65,750,000	65,650,000
Northern States	12,725,000	12,275,000	12,275,000	12,200,000	12,100,000	12,100,000
Southern States	1,450,000	1,250,000	1,225 000	1,200,000	1,150,000	1,100,000
Total United States...	14,175,000	13,525,000	13,500,000	13,400,000	13,250,000	13,200,000
India	2,763,000	2,489,000	2,421,000	2,262,000	2,146,000	2,002,000
Total...	84,438,000	82,514,000	81,841,000	81,262,000	81,146,000	80,852,000

* 330,000 increase in the Oldham District, but a net decrease of 290,000 elsewhere.
† 300,000 increase in the Oldham District, but 600,000 decrease elsewhere, being old spindles burnt or broken up.

No. 88.

Proportion of Spindles in Europe, America and India in 1883 *and* 1889 *to the total in each of these years.*

Years.	Great Britain.	Continent.	Total Europe.	United States.			Total Europe and America.	India.	Total.
				Northern.	Southern.	Total			
	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	Per Cent.
1883	53·23	28·46	81·69	14·95	1·09	16·04	97·73	2·27	100·00
1889	51·51	28·54	80·05	14·07	2·72	16·79	96·84	3·16	100·00
Increase ...	...	·08	...	...	1·63	·75	...	·89	...
Decrease ...	1·72	...	1·64	·88	...	...	·89	...	...

No. 89.

Proportion of the Consumption of Europe, America and India in 1883 *and* 1889, *to the total Consumption in each of these years.*

Years.	Great Britain.	Continent.	Total Europe.	United States.			Total Europe and America.	India.	Total.
				Northern	Southern.	Total			
	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.
1883	37·70	34·04	71·74	...	...	23·76	95·50	4·50	100·00
1889	33·06	35·69	68·75	...	...	23·61	92·36	7·64	100·00
Increase ...	...	1·65	...	...	...	·15	...	3·14	...
Decrease ...	4·64	...	2·99	...	...	...	3·14	...	...

Actual Consumption of Cotton in 1883 *and* 1889 *in Bales of* 400 *lbs. each.*

Years.	Great Britain.	Continent.	Total Europe.	United States.			Total Europe and America.	India.	Total.
				Northern	Southern	Total.			
	bales.	bales.	bales.	bales.	bales.	bales.	bales.	bales.	bales.
1883	3,744,000	3,380,000	7,124,000	...	...	2,360,000	9,484,000	447,000	9,931,000
1889	3,770,000	4,069,000	7,839,000	...	...	2,692,000	10,531,000	871,000	11,402,000

From these statements it will be seen that the *Consumption, per Spindle,* in 1889 was as follows:—

Great Britain	34.67	lbs.
Continent	67·81	,,
United States	75·96	,,
India	126·09	,,

or an average of just over 54 lbs. per Spindle.

DISTRIBUTION

OF

BOMBAY MANUFACTURED

PIECE-GOODS AND YARNS.

Bombay Manufactured Piece-Goods and Yarns.

THE annexed tables of statistics have been compiled from the returns of the Bombay Chamber of Commerce and Bombay Mill-owners' Association, and are for *calendar* years.

Table No. 90 gives the exports of Piece-Goods and Yarns by Sea of local manufactures to Foreign, as well as Indian ports, since 1878. Grey and Bleached Goods are given together, but the shipments of the latter are extremely small, very little bleaching being done in Bombay. In the eleven years the exports of these cloths have more than doubled, having increased from 41⅓ to 88¾ millions yards. The trade in Dyed Goods shows little expansion. In the first three years it averaged 4¾ millions yards, in the last three 5¼ million yards. In England it is usual to take 5 yards of cloth as equal to 1 lb. of Yarn, but the Customs returns show that in this country 4⅓ yards are nearer the equivalent than 5 yards and on this basis we have worked out our tables. The weight of the exports of all Piece-Goods, in the eleven years, has increased from 10½ to 21⅞ million pounds. In the same period the shipments of Yarns have risen from 33 to 134½ million pounds—in bales from 91,700 to 343,000. In 1878 the bales averaged 361¼ lbs. each, last year 392½ lbs. To China and Japan, Bombay's largest buyers, Yarns are usually shipped in bales of 400 lbs. net, but to the Coast and other ports the weights vary from 300 to 400 lbs., and as the trade with the East has increased much more rapidly than with the Coast and elsewhere, the average weight of a bale has risen accordingly.

Table No. 91 gives similar, but more detailed, information regarding the shipments of Yarns from Bombay, the despatches to China, Japan, and other ports being shown separately, and to the total has been added the despatches by Rail to the interior, the total weight being reduced to bales of 400 lbs. each. In 1877, of the 80,428 bales which left Bombay 35·4 per cent. went to China, 42·8 per cent. to other ports, and 21·5 per cent. by Rail up-country, the small balance of 0·3 going to Japan. The exports to China and Japan have, with one or two exceptions, steadily, and of late rapidly, increased; those to other ports slowly advanced, while the despatches of Yarns up-country by Rail have not only fallen away,* but the receipts, for export, from the up-country Mills are now larger than the despatches to the interior of the local ones. In 1888, of the 338,807 bales, of an uniform weight of 400 lbs., which left Bombay, 69·1 per cent. went to China, 15·5 per cent. to Japan (total 84·6 per cent.), 14·7 per cent. to other ports, and only 0·7 per cent. to the interior by Rail.

* *Vide* Note on Page 117.

In table No. 92 we have turned to the Government returns for the official years ending 31st March, and show the despatches from Bombay Port to (*a*) Foreign ports, (*b*) Indian ports, and (*c*) up-country by Rail. We give the total length, weight and value despatched in each direction, the length and weight in millions of yards and pounds, and the value in lakhs of rupees (a lakh being 100,000 rupees), for the last four official years. Taking *Piece-Goods* first, it will be seen that in 1885-86 the total despatches were 166,700,000 yards (equal to 38,150,000 lbs.) Of these 36,600,000 (=8,130,000 lbs.) went to Foreign ports, or 21 per cent.; to Indian ports 39,560,000 yards, equal to 24 per cent. and up-country by Rail 90,540,000 yards, equal to 55 per cent. Four years later, 1888-89, the total had increased to 176,070,000 yards, of which 57,560,000 yards or 32·69 per cent. went to Foreign ports; 39,050,000 yards or 22·18 per cent. to Indian ports, and 79,460,000 yards or 45·13 per cent. to the interior by Rail. While, therefore, the ratio of increase to Foreign ports rose from 21 to 32·69 per cent. the Coasting trade fell from 24 to 22·18, and the despatches by Rail from 55 to 45·13 per cent. In yardage the Foreign trade last year took nearly 21 million yards more than four years before, the Coasting trade just half-a-million yards less, and the Railway over 11 million yards less.

Yarns show still clearer how much the local Mills have to depend on Foreign demand. Four years ago the total despatches to all quarters by Sea and Rail were 95,590,000 pounds. Of this quantity 76,300,000 pounds went to Foreign ports, equal to 80 per cent.; 16,560,000 pounds to Indian ports, equal to 17 per cent. and only 2,730,000 pounds by Rail, equal to 3 per cent. Last year the total increased to 142,980,000 pounds, of which 123,020,000 pounds or 86·04 per cent. went to Foreign ports, 17,810,000 pounds or 12·45 per cent. to Indian ports, and 2,150,000 pounds or 1·51 per cent. up-country by Rail.

Table No. 93 gives, in millions of yards, the quantity exported to *Foreign ports only*, of the principal descriptions of *Piece-Goods* manufactured in Bombay. The demand for *T. Cloths* and *Sheetings*, especially in the past three years, has increased considerably. *Long Cloths*, too, have been in more favour in the past two years, but *Domestics* show no expansion. *Drills* and *Jeans* have fallen off largely. *Dhoties* and *Chudders* find but few buyers out of the country, but the total trade in the last three years has been growing.

Table No. 94 shows the *Countries* to which the several makes of *Cloth* went in the past seven years. The increase in *T. Cloth* is purely to China, the largest consumer of this description of cloth, Mozambique and Zanzibar being the next largest buyers. Of *Sheetings* Zanzibar takes nearly half the exports, Mozambique being the next important outlet. *Long Cloth* go, as a rule, principally to Aden, for re-export, but last year China took the lead, whereas but two years ago her takings were so small as to be included under "other ports." Aden takes nearly all the *Domestics*.

Table No. 95 details the counts of *Yarn* exported to *Foreign ports only*. Virtually the whole of the exports are of Grey Yarn of 20s and under. 80 per cent. last year were from 16s to 24s and over 19 per cent. 15s and under; very little of the higher counts and of Colored Yarn, locally dyed, leaving the country.

Table No. 96 shows the *Countries* to which the several grades of spinning were despatched. Of the 15s and under China took 90 per cent. last year, and Japan nearly 5½ per cent., Aden nearly all the remainder. Of the

16s to 24s China received nearly 76 per cent., 58½ being sent to Hongkong and 17½ per cent. to Shanghai and other Treaty ports. Of the balance nearly 21¾ per cent. went to Japan, and an increasing quantity, though still small, to Singapore and Penang for transhipment to neighbouring Islands.

Table No. 97 gives the total despatches by Sea and Rail of Piece-Goods and Yarn of local manufacture from Bombay in each of the past twelve *calendar* years. This table has been compiled from the returns of the local Chamber of Commerce and Mill-owners' Association.

Table No. 98 shows the quantity and weight (the Railway maund of 82⅔ lbs. we have reduced to cwts.) of Piece-Goods and Yarn, of local make and spinning, despatched by the Great Indian Peninsula Railway and the Bombay, Baroda and Central India Railway to stations on their own lines, as well as to the lines which connect them inland, in the past four *calendar* years. These statistics show what a marked falling off has taken place in the despatches from Bombay of both Piece-Goods and Yarn, of local manufacture, whereas the returns of English Goods and Yarns show an exactly opposite result. In weight the despatches of *Piece-Goods* have declined in the four years, from 177,710 cwts. to 103,758 cwts. and of *Yarns* from 18,318 cwts. to 8,034 cwts., equal in Piece-Goods to 41·6 per cent. and in Yarns of 56·1 per cent., clearly showing that the up-country Mills are rapidly filling the demand for coarse Cloths and Yarns. Of *Piece-Goods*, taking last year's returns for comparison, 46 per cent. were sent to stations on the B. B. & C. I. Railway, between Bombay and Wadwan, and 30 per cent. more over the same line, to places on the Rajputana Railway, and the bulk of the balance to the Bhownugger-Gondal Railway for distribution in Kathiawar, to Delhi, and to stations beyond Delhi. The despatches by the G. I. P. Railway, to the districts through which it runs, and beyond by the East Indian Railway, were comparatively small. Of *Yarns*, 56½ per cent. went to Stations on the B. B. & C. I. Railway and nearly 18 per cent. to those on the two branches of the G. I. P. Railway. The Rajputana Railway, *via* the B. B. & C. I. Railway, and the Southern Mahratta Railway, *via* the G. I. P. Railway, each took about 8 per cent. of the balance.

Tables No. 99 and No. 100 give the exports by Sea to Foreign countries, the first of Piece-Goods and the second of Yarns, from all India, and from Bombay only in the past fourteen *official* years ending 31st March. As three-fourths of the trade is from the latter port it is unnecessary, in view of the preceding remarks, to comment on these tables.

The remaining tables of statistics are extracted from China and Japan Circulars, and, being useful for reference, are added.

Note—Imports by Rail of Indian Manufactured Piece-goods and Yarns at Bombay:—

		1888-89.	1887-88.	1886-87.	1885-86.
Yarns ...	In Millions of pounds.	*11·41	9·73	8·79	8·08
Piece-goods ...		3·04	3·41	2·64	2·82

* 11,410,000 lbs.

No. 90.

Statement showing the Exports by Sea, of Bombay Manufactured Piece-Goods and Yarns since 1878.

Compiled from the returns of the Bombay Mill-owners' Association.

Years ending 31st Dec.	Grey and White Piece-Goods.			Colored Piece-Goods.		Total Piece-Goods.			Yarns.	
	Packages.	Yards.	lbs.	Packages.	Yards.	Packages.	Yards.	lbs.*	Bales.	lbs.
1877 ..	....	....	....	....	....	....	....	....	....	....
1878 ..	36,749	41,360,798	No records.	2,826	4,785,671	29,575	46,146,469	10,649,185	91,684	33,116,249
1879 ..	34,045	53,357,406	Do.	2,555	4,748,350	36,600	58,105,756	13,419,343	89,667	32,333,123
1880 ..	32,705	54,164,246	Do.	2,380	4,663,476	35,085	58,827,722	13,586,079	115,434	42,618,335
1881 ..	27,777	49,081,034	Do.	2,219	5,174,794	29,996	54,255,828	12,530,214	119,590	44,100,909
1882 ..	34,798	56,986,687	Do.	2,405	5,369,753	37,203	62,356,440	14,401,025	140,486	53,115,882
1883 ..	49,048	75,522,989	17,814,551	2,353	5,169,673	51,401	80,692,662	18,635,719	164,338	62,813,128
1884 ..	45,432	70,533,605	16,551,064	2,429	4,630,992	47,861	75,164,597	17,359,929	197,827	75,755,931
1885 ..	43,872	71,184,739	16,152,396	2,820	5,988,074	46,692	77,172,813	17,822,821	223,722	86,693,377
1886 ..	42,888	68,171,065	15,853,991	2,219	5,258,994	45,107	73,430,059	16,958,443	272,300	106,024,856
1887 ..	49,399	79,400,234	18,501,205	2,929	4,921,099	51,428	84,321,333	19,471,900	299,581	117,074,663
1888 ..	57,174	88,797,223	21,500,740	3,074	5,636,166	60,248	94,433,389	21,809,097	343,030	134,622,583

No. 91.

Exports of Bombay Manufactured Yarns by Sea and Rail.

Reduced to Bales of 400 lbs. each.

January 1 to December 31.	To China.	To Japan.	Total to China and Japan.	Total to other Ports	Total Exports by Sea.	Total Exports by Rail.	Total Exports by Sea and Rail.
1877	28,516	142	28,658	34,512	63,170	17,258	80,428
1878	45,933	1,745	47,678	35,113	82,791	13,938	96,729
1879	45,530	4,842	50,372	31,711	82,083	11,072	93,155
1880	63,194	4,527	67,721	38,825	106,546	14,092	120,638
1881	61,783	7,378	69,161	41,092	110,253	14,333	124,586
1882	81,434	9,854	91,288	41,502	132,790	14,400	147,190
1883	94,982	17,421	112,403	42,130	154,533	9,091	163,624
1884	127,318	13,846	141,164	48,226	189,390	6,049	195,439
1885	154,517	19,020	173,537	43,197	216,734	5,129	221,863
1886	199,407	20,543	219,950	45,103	265,053	4,649	269,702
1887	205,158	39,730	244,888	47,799	292,687	3,451	296,138
1888	234,071	52,697	286,768	49,789	336,557	2,250	338,807
1889	...	...	...	...	...	...	...

* *N. B.*—The weights have been arrived at by dividing the length in yards by 4·33, the average weight of the Grey and Bleached Cloths exported between 1883 and 1887.

No. 92.

Exports of Bombay Manufactured Piece-Goods and Yarns, from Bombay Port only.

Compiled from Official Returns.] **1888-89.** [Years ending 31st March.

Exported to	Length and Weight.							Value.					
	Piece-Goods.		Yarns	Percentage of		Total Weight.		Lakhs of Rs.		Percentage of		Total value in lakhs of Rs.	Percentage.
	Millions of			Goods	Yarns	Millions of lbs.	Percentage.	Goods	Yarns	Goods	Yarns		
	Yards.	lbs.	lbs.	%	%		%			%	%		%
Foreign Ports ..	57·56	*13·06	123·02	32·69	86·04	136·08	74·19	73·11	497·12	33·81	85·40	570·23	71·51
Indian Ports ..	39·05	*9·01	17·81	22·18	12·45	26·82	14 62	47·12	74·98	21·79	12·90	122·10	15·31
Up-Country by Rail.	*79·46	18·35	2·15	45·13	1·51	20·50	11·19	95·97	9·05	44·40	1·70	105·02	13·18
Total Indian ..	118·51	27·36	19·96	67·31	13·96	47·32	25·81	143·09	84·03	66·19	14·60	227·12	28·49
Grand Total ..	176·07	40·42	142·98	100·00	100·00	183·40	100·00	216·20	581·15	100·00	100·00	797·35	100·00
1887-88.													
Foreign Ports ..	55·12	*12·72	108·52	35·65	85·17	121·24	74·34	67·20	389·69	37·40	84·39	456·89	71·24
Indian Ports ..	32·85	*7·58	16·63	21·24	13·05	24·21	14·84	40·60	64·37	22·60	13·94	104·97	16·37
Up-Country by Rail.	*66·65	15·38	2·26	43·11	1·78	17·64	10·82	71·85	7·56	40·00	1·67	79·41	12·39
Total Indian ..	99·50	22·96	18·89	64·35	14·83	41·85	25·66	112·45	71·93	62·60	15·61	184·38	28·76
Grand Total ..	154·62	35·68	127·41	100·00	100·00	163·09	100·00	179·65	461·62	100·00	100·00	641·27	100·00
1886-87.													
Foreign Ports ..	40·41	*9·33	89·09	25	83	98·42	69	50·68	324·05	31	83	374·73	67
Indian Ports ..	36·37	*8·39	15·11	23	14	23·50	16	44·08	57·56	28	15	101·64	18
Up-Country by Rail.	*83·03	19·16	2·57	52	3	21·73	15	69·58	9·36	41	2	78·94	15
Total Indian ..	119·40	27·55	17·68	75	17	45·23	31	113·66	66·92	69	17	180·58	33
Grand Total ..	159·81	36·88	177	100	100	143·65	100	164·34	390·97	100	100	555·31	100
1885-86.													
Foreign Ports ..	36·60	*8·13	76·30	21	80	84·43	63	46·24	268·35	24	79	314·59	59
Indian Ports ..	39·56	*9·13	16·56	24	17	25·69	19	47·86	61·44	25	18	109·30	21
Up-Country by Rail ..	*90·54	20·89	2·73	55	3	23·62	18	96·72	10·32	51	3	107·04	20
Total Indian ..	130·10	30·02	19·29	79	20	49·31	37	144·58	71·76	76	21	216·34	41
Grand Total ..	166·70	38·15	95·59	100	100	133·74	100	190·82	340·11	100	100	530·93	100

* Assuming 4·33 yards = 1 lb. and *vice versa*. Previously 5 yards were assumed (as in England) to equal 1 lb., but the Customs returns for the past 5 years show that the basis now taken is approximately more correct.

No. 93.

Descriptions of Grey Cotton Piece-Goods of Bombay Manufacture exported to Foreign Ports since 1882-83.

Compiled from Government Returns.] [Years ending 31st March.

DESCRIPTION.	In Millions of Yards (0000's omitted.)						
	1889-89.	1887-88.	1886-87.	1885-86.	1884-85.	1883-84.	1882-83.
T Cloths	12·64	6·17	4·54	5·15	4·82	4·87	3·41
Sheetings	19·05	17·79	15·29	10·06	10·44	14·10	8·61
Domestics	8·27	12·14	8·32	8·95	10·55	11·80	8·23
Drills and Jeans	·10	·86	·69	·56	·79	3·03	3·21
Long Cloths	13·50	14·62	7·94	7·84	5·76	7·44	6·77
Chudders	·50	·56	·40	·20	·23	·14	·08
Dhooties	·03	·14	·04	·01	·16	·40	·38
Other Sorts	·19	·11	·25	·16	·04	·02	·04
Total Millions of Yards ...	54·28	52·39	37·47	32·93	32·79	41·80	30·73
Total Lakhs of Rupees ...	63·76	59·45	42·81	36·49	35·73	46·62	35·73

No. 94.

Foreign Countries to which Grey Cotton Piece-Goods of Bombay Manufacture have been exported since 1882-83.

Compiled from Government Returns.] [Years ending 31st March.

DESCRIPTION.	To	In Millions of Yards (0000's omitted.)						
		1888-89.	1887-88.	1886-87.	1885-86.	1884-85.	1883-84.	1882-83.
T Cloths	Mozambique	1·90	1·84	·65	1·20	1·18	1·42	·70
	Zanzibar	1·79	1·59	·79	·42	·44	·92	1·32
	Aden	·16	·20	·23	·15	·35	·28	·48
	China, Hongkong	·42	·04	·01	·09	·21	·57	·08
	Do. Treaty Ports*	7·89	2·22	2·62	2·95	2·28	1·00	·52
	Mekran & Sonmiani	·10	·08	·08	·17	·16	·16	·14
	Other Countries	·38	·20	·16	·16	·20	·52	·17
	Total	12·64	6·17	4·54	5·14	4·82	4·87	3·41
Sheetings	Abyssinia	·64	·55	2·28	·76	·89	·05	.....
	Mozambique	4·59	5·04	2·32	2·84	3·44	4·09	2·82
	Zanzibar	8·94	9·73	9·66	4·67	3·56	6·13	3·86
	Aden	1·97	1·42	·43	·96	2·24	2·78	1·43
	Arabia	·72	·43	·35	·45	·30	·56	·27
	Other Countries	·91	·62	·25	·41	·21	·48	·23
	China, Treaty Ports*	1·28						
	Total	19·05	17·79	15·29	11·07	10·44	14·09	8·61
Domestics	Aden	7·98	11·81	8·14	8·57	10·11	11·11	7·17
	Arabia	·20	·20	·09	·33	·39	·61	·68
	Other Countries	·09	·13	·09	·04	·05	·08	·37
	Total	8·27	12·14	8·32	8·94	10·55	11·80	8·22
Drills and Jeans	Zanzibar	·04	·80	·65	·46	·44	2·64	2·86
	Aden	.....	·03	.....	.....	·11	·19	·19
	Other Countries	·06	·03	·04	·09	·24	·20	·15
	Total	·10	·86	·69	·55	·79	3·03	3·20
Long Cloths	Abyssinia	·32	2·40	2·70	1·50	·67	·14	·25
	Mozambique	1·06	·97	·43	·56	·69	·35	·44
	Zanzibar	·54	·83	·65	·75	·36	1·14	1·30
	Aden	3·67	5·66	1·98	2·50	2·70	3·90	3·28
	China, Treaty Ports*	4·65	1·86	.....†	.....†	.....†	.....†	.....†
	Arabia	·97	·72	·49	·72	·35	·67	·97
	Persia	·60	·46	·21	·32	·25	·31	·23
	Straits	·13	·15	·01	·12	·16	·16	·01
	Turkey in Asia	1·33	1·36	1·00	1·22	·64	·30	·15
	Other Countries	·24	·21	·47	·15	·03	·47	·16
	Total	13·50	14·62	7·94	7·84	5·76	7·44	6·77
Chudders	Aden	·23	·11	·07	·06	·12	·03	·02
	Other Countries	·15	·15	·23	·14	·11	·11	·07
	Zanzibar	·22	·30					
	Total	·50	·56	·30	·20	·23	·14	·09
Dhooties	Aden	.....	.....	.....	.....	·13	·40	·37
	Other Countries	·03	·14	·04	·01	·03	·01	·01
	Total	·03	·14	·04	·01	·16	·41	·38
Other Sorts	Total	·19	·11	·22	·16	·04	·01	·05
	Total	54·28	52·39	37·47	32·33	32·79	41·80	30·73

* Almost entirely to Shanghai. † Included with "Other Countries."

No. 95.

Qualities of Yarns of Bombay Manufacture exported to Foreign Ports since 1881-82.

Compiled from Government Returns.] [Years ending 31st March.

DESCRIPTION.	In Millions of lbs. (0000's omitted).							
	1888-89.	1887-88.	1886-87.	1885-86.	1884-85.	1883-84.	1882-83.	1881-82.
Mule No. 15s and under ...	23·61	28·82	26·52	22·96	19·33	14·02	11·00	8·75
„ „ 16s to 24s ...	98·90	79·37	62·14	52·96	43·52	32·75	30·67	20·44
„ „ 25s to 32s ...	·09	·01	·02	·08	·05	·02	·02	·03
„ „ 33s to 44s ...	·03	...	·02	·01	·01	...	...	...
Total ...	122·63	108·20	88·70	76·01	62·91	46·79	41·69	29·22
Water No. 20s and under ...	·09	·15	·21	·14	·16	·32	·77	·37
„ „ 21s to 30s ...	...	...	...	...	...	...	...	·02
Total ...	·09	·15	·21	·14	·16	·32	·77	·39
Colored Yarns Total ...	·30	·16	·18	·15	·12	·10	·14	·10
Total Yarns ...	123·02	108·51	89·09	76·30	63·19	47·21	42·60	29·71

No. 96.

Foreign Countries to which Yarns of Bombay Spinning have been exported since 1881-82.

Compiled from Government Returns.] [Years ending 31st March.

Quality.	To	In Millions of lbs.							
		1888 89.	1887-88.	1886-87.	1885-86.	1884-85.	1883-84.	1882-83.	1881-82.
Mule No. 15 and under..	Aden	·85	1·02	·86	1·03	·78	1·28	·97	1·07
	Japan	1·29	·04	·17	·14	·16	·36	·54	·43
	China, Hongkong ..	19·27	26·22	25·30	21·49	18·29	12·26	9·39	7·15
	Do. Treaty Ports*.. ..	2·10	1·44	·19	·30	·10	·12	·10	·10
	Other Countries*	·10	·10						
	Total ..	23·61	28·82	26·52	22·96	19·33	14·02	11·00	8·75
16s to 24s ..	Aden	·31	·24	·29	·27	·29	·25	·23	·24
	Japan	21·42	17·20	9·08	6·93	6·34	5·59	4·16	2·17
	China, Hongkong	57·68	45·09	38·14	37·45	35·52	26·23	25·82	17·78
	Do. Treaty Ports*.. ..	17·23	15·47	13·85	7·82	·92	·39	·46	·25
	Straits	1·48	1·37	·78	·49	·45	·29		
	Other Countries	·78							
	Total ..	98·90	79·37	62·14	52·96	43·52	32·75	30·67	20·44
Above No. 24s.	Total ..	·12	·01	·04	·09	·06	·02	·02	·03
	Total Mule	122·63	108·20	88·70	76·01	62·91	46·79	41·69	29·22
Water ..	„ Water.. ..	·09	·15	·21	·14	·16	·32	·77	·39
Colored ..	„ Colored ..	·30	·16	·18	·15	·12	·10	·14	·10
	Grand Total..	123·02	108·51	89·09	76·30	63·19	47·21	42·60	29·71
	Value in lakhs of Rs. ..	497·12	389·69	324·04	268·35	234·00	182·71	170·60	132·39

* Almost entirely to Shanghai.

No. 97.

Statement showing the Exports of Bombay Manufactured Piece-Goods by Sea and Railways, since 1877.

Compiled from the returns of the Chamber of Commerce and Mill-owners' Association.] [Years ending 31st December.

Years.	Piece-Goods.								Yarns.					
	By Sea.			By Railway.		Total.			By Sea.		By Rail.		Total.	
	Packages.	Yards.	lbs.	Packages.	lbs.	Packages.	Yards.	lbs.	Bales.	lbs.	Bales.	lbs.	Bales.	lbs.
			(a.)		(b.)		(c.)							
1877.. ..	26,651	....	....	31,353	14,438,560	58,004	....	....	75,622	25,268,131	21,995	6,903,344	97,617	32,171,475
1878.. ..	29,575	46,146,469	10,649,185	35,693	14,965,920	65,268	110,998,755	25,615,105	91,684	33,116,349	18,016	5,575,248	109,700	38,691,597
1879.. ..	36,600	58,105,756	13,419,343	39,647	17,144,000	76,247	132,441,153	30,563,343	89,667	32,833,123	14,547	4,428,928	104,214	37,262,051
1880.. ..	35,085	58,827,722	13,586,079	46,909	19,996,800	81,994	145,525,809	33,582,879	115,434	42,618,335	18,799	5,636,624	134,233	48,254,959
1881.. ..	29,996	54,255,828	12,530,214	42,574	18,647,280	72,570	135,102,474	31,177,494	119,590	44,100,909	18,708	5,733,392	138,298	49,834,301
1882.. ..	37,203	62,356,440	14,401,025	52,897	22,166,160	90,100	158,457,802	36,567,185	140,486	53,115,882	18,637	5,760,048	159,123	58,875,930
1883.. ..	51,401	80,692,662	18,635,719	37,092	15,714,320	88,493	145,291,774	33,528,871	164,338	62,813,128	11,811	3,636,416	176,149	66,449,544
1884	47,861	75,164,597	17,359,929	31,816	13,817,760	79,677	131,598,237	30,368,824	197,827	75,755,931	8,213	2,419,760	206,040	78,175,691
1885.. ..	46,692	77,172,813	17,822,821	43,864	19,352,080	90,556	153,852,729	35,504,476	223,722	86,693,377	7,301	2,051,504	231,023	88,744,881
1886.. ..	45,107	73,430,059	16,958,443	44,506	19,250,720	89,613	152,120,414	35,104,711	272,900	106,024,856	6,740	1,859,312	279,040	107,884,168
1887.. ..	51,428	84,321,333	19,471,443	28,785	13,471,920	80,213	142,644,762	32,943,363	299,581	117,074,663	5,214	1,389,920	304,795	118,464,583
1888.. ..	60,248	94,433,389	21,809,097	22,881	11,620,896	83,129	144,863,303	33,429,993	343,080	134,622,583	3,465	899,960	346,495	135,522,543

N. B.—(a) The weights have been arrived at by dividing the length in yards by 4·33, the average weight of the Grey and Bleached cloths exported between 1883 and 1887.

(b) Indian Maunds (82⅔ lbs.) reduced to lbs.

(c) lbs. weight multiplied by 4·23.

No. 98.

Statement showing the Despatches by Rail from Bombay of Bombay Manufactured Piece-Goods and Yarns.

Compiled from the Chamber of Commerce Returns.] [Years ending 31st December.

Railways.		1889.				1888.				1887.				1886.				1885.			
Despatching Railways.	Connecting Railways.	Piece-Goods.		Yarns.		Piece-Goods.		Yarns.		Piece-Goods.		Yarns.		Piece-Goods.		Yarns.		Piece-Goods.		Yarns.	
		Pkgs.	Cwts.	Pkgs.	Cwts.	Pkgs.	Cwts.	Pkgs.	Cwts.	Pkgs.	Cwts.	Pkgs.	Cwts.	Pkgs.	Cwts.	Pkgs.	Cwts.	Pkgs.	Cwts.	Pkgs.	Cwts.
1. G. I. P. Ry.	Bombay to Jubbulpore & to Nagpore	..	..	..	..	286	1,117	337	782	645	2,693	1,057	2,542	1,373	4,992	1,222	3,199	3,800	13,663	2,006	5,176
2. Do.	Do. to Raichore	..	..	..	..	266	1,033	250	654	558	2,362	412	1,144	883	3,692	599	1,507	1,068	4,463	1,059	2,945
	Total G. I. P. Ry. N.-E. and S.-E. lines	..	..	..	..	552	2,150	647	1,436	1,203	5,055	1,469	3,686	2,256	8,684	1,761	4,706	4,868	18,126	3,065	8,121
3. Do.	To the Madras Ry.	..	..	..	..	11	37	6	16	22	59	20	14	25	101	20	54	15	48	172	481
4. Do.	Do. Dhond and Manmad Ry..	..	..	..	..	30	117	20	48	73	275	38	95	156	558	123	334	523	2,109	255	647
5. Do.	Do. Nizam's State Ry. ..	..	..	..	..	9	27	29	74	57	192	10	24	41	135	30	90	38	121	319	915
6. Do.	Do. S. Mahratta Ry. ..	..	..	..	..	73	244	234	633	297	1,349	388	1,077	238	1,433	776	2,283	79	281	467	1,351
7. Do.	Do. Rajputana Ry.(Khandwa to Ajmere) ..	..	..	..	..	12	53	25	54	127	499	92	251	394	1,357	110	314	817	2,894	138	403
8. B. B. & C. I. Ry.	Do. do. viâ Sabarmati ..	..	..	..	..	5,579	31,045	332	689	7,005	30,821	367	742	10,159	44,973	430	770	9,261	40,475	238	508
9. Do.	Do. do. to Delhi only ..	..	..	..	..	2,377	8,294	103	324	3,711	12,046	331	954	11,720	36,936	698	1,917	6,485	22,493	198	560
10. Do.	Do. do. to Agra only ..	..	..	..	..	73	220	6	9	173	533	33	43	543	1,903	67	132	502	1,702	4	6
11. Do.	Viâ Thro' do. to stations beyond these places ..	..	..	..	..	1,602	4,173	33	110	2,465	9,660	129	244	4,611	17,548	415	1,185	3,069	11,132	132	345
12. Do.	To the Bhownugger-Gondal Ry ..	..	..	..	..	1,528	7,680	32	84	1524	7,204	28	71	1,234	5,966	31	91	973	4,694	29	79
13. Do.	Bombay and intervening stations to Wadwan	..	..	..	..	10,465	47,658	1,993	4,546	11,626	54,220	2,284	5,083	11,265	51,402	2,211	4,526	13,155	66,356	2,102	4,373
14. G. I. P. Ry.	On E. I. Ry. to Cawnpore only ..	..	..	..	..	540	1,958	1	3	449	1,603	11	21	1,378	4,576	4	12	2,933	9,611	..	..
15. Do.	Do. do. and other lines beyond	..	..	..	..	30	102	4	8	53	89	14	1(	396	1,200	64	187	1,141	3,668	182	529
	Total ..	..	..	..	..	22,881	103,758	3,465	8,034	28,785	123,575	5,214	12,325	44,506	176,772	6,740	16,605	43,864	177,710	7,391	18,318

N.B.—The returns are in maunds of 82⅔lbs. These have been reduced to cwts.

No. 99.

Exports (by Sea) of Indian manufactured Cotton Piece-Goods to Foreign Countries and to Indian Ports from all India and from Bombay only, since 1874-75.

Compiled from Government Records.] [Years ending 31st March.

Years ending 31st March.	TO FOREIGN COUNTRIES. FROM ALL INDIA. Grey.	Bleached.	Colored, Printed and Dyed.	Handkerchiefs and Shawls in the piece.	Value in lakhs of Rupees, including other sorts.	FROM BOMBAY ONLY. Grey.	Bleached.	Colored, Printed and Dyed.	Handkerchiefs and Shawls in the piece.	Value in lakhs of Rupees, including other sorts.	To Indian Ports. Value in lakhs. From all India.	From Bombay only.
	Yards.	Yards.	Yards.	Number.		Yards.	Yards.	Yards.	Number.			
1876... ...	6,040,235	632,937	8,304,159	1,586,770	*39·64	5,797,331	409,614	1,890,440	4,990	15·51	35·69	17·80
1877... ...	8,246,483	170,443	7,085,092	1,406,092	44·50	7,915,642	51,747	1,825,664	862	18·31	47·25	26·43
1878... ...	10,017,082	186,108	7,331,685	1,566,372	46·06	9,704,780	65,484	2,460,998	1,358	21·94	64·13	47·79
1879... ...	14,993,336	259,463	7,246,318	1,663,940	51·15	14,513,547	133,327	2,839,289	8,975	29·82	65·45	49·56
1880... ...	17,936,629	304,780	7,551,447	1,143,358	51·25	17,533,864	174,167	2,848,600	44,394	32·24	68·27	55·62
1881... ...	21,739,056	449,503	8,196,227	1,235,430	62·65	21,312,925	300,333	2,696,652	42,178	39·56	65·74	50·74
1882... ...	20,506,843	303,729	9,079,488	1,236,315	64·16	20,269,447	212,163	3,057,255	51,623	38·68	62·55	47·00
1883... ...	30,956,385	123,707	10,454,382	1,040,107	76·15	30,730,396	39,351	3,082,616	86,803	47·70	63·33	47·27
1884... ...	42,039,360	105,970	13,419,183	734,852	92·70	41,799,370	35,127	2,874,373	41,695	57·25	67·73	52·65
1885... ...	33,140,782	159,236	14,608,495	968,135	89·69	32,789,532	50,916	2,890,876	37,422	43·33	74·12	57·59
1886... ...	33,323,365	376,795	17,827,464	802,056	88·02	32,925,201	230,143	3,444,280	50,537	48·55	68·54	53·06
1887... ...	38,311,281	281,046	14,768,056	816,042	94·56	37,469,882	176,554	2,769,538	58,857	52·21	64·75	49·32
1888... ...	52,975,411	212,424	16,246,855	930,013	115·05	52,392,673	173,961	2,553,456	95,994	69·69	60·30	45·50
1889... ...	54,938,813	116,355	15,189,059	1,073,077	116·75	54,283,287	62,282	3,222,703	136,611	75·48	69·24	52·60

* Rs. 39,64,000

No. 100.

Exports (by Sea) of Indian manufactured Cotton Yarns to Foreign Countries and to Indian Ports from all India and from Bombay only, since 1874-75.

Compiled from Government Records.]

[Years ending 31st March.

Years ending 31st March.	To Foreign Countries.				To Indian Ports.			
	From all India.		From Bombay only.		From all India.		From Bombay only.	
	lbs.	Value in lakhs of Rupees.	lbs.	Value in lakhs of Rupees.	lbs.	Value in lakhs of Rupees.	lbs.	Value in lakhs of Rupees.
1875	2,834,725	*14·75	2,789,526	14·60	7,301,604	41·04	4,213,488	22·38
1876	6,228,511	26·69	6,098,679	26·08	9,047,764	45·36	5,542,142	25·39
1877	7,926,710	36·73	7,828,729	36·32	15,247,292	82·70	10,697,038	48·93
1878	15,600,291	68·20	15,548,890	68·03	17,425,998	96·50	13,117,586	60·22
1879	21,332,508	88·64	21,271,059	88·36	15,835,047	80·50	13,337,454	58·64
1880	25,862,474	110·92	25,420,888	109·01	13,477,484	67·23	11,053,309	51·54
1881	26,901,346	128·25	26,439,467	126·01	19,001,432	99·74	15,349,067	76·26
1882	30,786,304	136·88	29,711,530	132·39	19,894,905	99·75	16,415,373	76·45
1883	45,378,040	181·68	42,598,400	170·59	19,143,316	89·63	16,220,165	69 64
1884	49,876,606	192·61	47,213,061	182·71	21,244,879	96·87	17,973,766	75·16
1885	65,897,183	244·11	63,195,623	234·00	23,239,041	99·99	19,212,984	76·81
1886	78,241,771	275·53	76,298,655	268·35	19,500,768	78·80	17,572,502	65·48
1887	91,804,244	333·68	89,088,086	324·04	18,725,597	75·67	16,483,182	62·95
1888	113,451,375	407·74	108,515,974	389·69	20,255,858	82·75	17,865,888	69·58
1889	128,906,764	520·71	123,022,742	497·12	22,400,227	96·83	18,897,068	79·46

* Rs. 14,75,000

Hongkong—Imports of Cotton and Cotton Yarn from India.

The following statistics have been taken from various Hongkong and other Circulars. The continued large import of Indian Twist is steadily decreasing the trade in raw Cotton, as the former can now be laid down in Hongkong relatively cheaper than the latter.*

No. 101.

Imports of Raw Cotton into Hongkong.

In Bales.

Years.	Bengals from Bombay and Calcutta.	Other Growths from Bombay.	Sind from Kurrachee *via* Bombay.	Salems and Tinny,'s from Madras and Tuticorin.	Burmah from Rangoon.	Total Indian Bales.	Chinese Bales.	Total Imports. Bales.
1873	102,051	15,500	25,009	4,457	1,200	148,217	33,500	181,717
1874	16,900	2,700	28,462	4,716	1,100	53,878	85,770	139,648
1875	49,885	11,477	26,398	8,609	5,500	101,869	70,200	172,069
1876	63,929	12,605	36,976	17,809	5,200	136,519	21,100	157,619
1877	49,150	3,600	31,000	4,463	2,200	90,413	30,500	120,913
1878	35,400	2,230	26,713	3,140	2,100	69,583	26,300	95,883
1879	94,004	4,206	7,748	49	3,794	109,801	11,055	120,856
1880	99,786	6,344	12,165	2,812	6,197	127,304	19,080	146,384
1881	115,152	3,516	5,102	4,002	1,154	128,946	19,037	127,983
1882	98,234	2,119	12,915	3,145	3,752	120,165	4,234	124,399
1883	96,289	1,162	12,813	1,569	9,169	121,002	2,336	123,338
1884	95,069	4,120	6,512	1,724	8,273	125,698	8,203	133,901
1885	48,913	...	4,009	860	17,752	71,534	3,432	74,966
1886	48,177	...	8,924	618	5,515	63,252	1,658	64,910
1887	42,090	...	7,912	89	3,598	53,689	3,081	56,770
1888	39,759	...	3,619	...	5,287	48,665	?	?
1889	.....	...	...	...	...	.....	...	.....

We also annex a comparative table of values during the years 1873 to 1887, of each growth of Cotton. Chinese production still heads the list, Salem's being nominally, in the absence of supplies, the next in value, followed by Bombay, (? growths), Sind, Bengal and Burmah in the order named.

* Owing to the reported failure of a considerable portion of the China and Japan Cotton crops a good demand has sprung now (November, 1889) in Bombay for Cotton for Export to these Countries.

No. 102.

Comparative Values of Raw Cotton at Hongkong.

Year.	Bengal.	Bombay.	Kurrachee.	Rangoon.	Madras.	Chinese.
1887.. ..	$ 8.50 to $ 14.50	$ 10.50 to $ 14.50	$ 9.75 to $ 14.50	$ 8.50 to $ 14.00	$ 13.50 to $ 15.50	$ 14.50 to $ 17.50
1886.. ..	9.75 to 15.25	10.50 to 14.50	9.25 to 15.25	10.15 to 14.00	13.70 to 15.25	14.75 to 17.50
1885.. ..	11.50 to 15.75	10.50 to 14.50	10.00 to 15.20	10.00 to 15.10	15.50 to 16.30	13.50 to 17.50
1884.. ..	8.00 to 14.75	12.50 to 14.50	9.00 to 14.60	8.00 to 14.30	12.00 to 15.50	13.50 to 17.50
1883.. ..	8.90 to 14.75	8.00 to 14.00	8.00 to 13.85	6.80 to 13.90	10.00 to 15.25	14.00 to 18.50
1882.. ..	11.10 to 15.50	10.50 to 14.00	9.00 to 15.60	8.00 to 14.50	12.75 to 16.25	14.00 to 17.50
1881.. ..	8.00 to 17.10	11.00 to 14.00	11.00 to 14.75	11.00 to 14.50	12.50 to 16.50	14.75 to 18.75
1880.. ..	7.50 to 16.75	11.00 to 16.40	11.00 to 16.75	11.00 to 14.00	14.00 to 17.50	14.75 to 18.50
1879.. ..	8.00 to 16.00	12.00 to 16.00	11.25 to 16.00	10.50 to 14.00	14.00 to 17.00	15.50 to 17.00
1878.. ..	12.00 to 16.00	12.00 to 16.00	12.00 to 16.00	12.00 to 15.50	16.00 to 17.00	16.00 to 17.00
1877.. ..	11.00 to 15.50	12.00 to 15.75	12.00 to 15.75	11.00 to 15.00	16.00 to 17.00	16.00 to 17.00
1876.. ..	11.00 to 14.50	11.00 to 14.50	11.00 to 14.50	10.00 to 13.75	14.80 to 17.25	14.75 to 17.25
1875.. ..	11.50 to 16.50	12.00 to 16.00	12.00 to 16.00	11.50 to 15.25	14.25 to 18.25	14.25 to 18.25
1874.. ..	9.50 to 14.25	10.00 to 14.50	9.00 to 14.50	10.00 to 14.00	13.00 to 15.50	13.00 to 15.50
1873.. ..	10.00 to 14.75	10.00 to 14.50	10.00 to 14.50	10.00 to 14.00	15.00 to 16.50	13.75 to 16.75

No. 103.

Yarns.

The following table is interesting, showing as it does the various counts of Yarn sold in Hongkong, the Custom Houses in India not going into quite as much detail regarding the Exports from that country as this tables shows of the sales.

Year.	Imports to Hongkong.	Direct shipments from Bombay to Shanghai and Japan.	Total Imports to China and Japan.	Bales of Different Counts Sold in Hongkong.											Total Sales effected in Hongkong.	Exports from Hongkong to East & West Coast, Shanghai and Japan.
				4s.	6s.	8s.	10s.	12s.	14s.	16s.	18s.	20s.	22s.	24s.		
	Bales.	Bales.	Bales.												Bales.	Bales.
1876	17 598	..	17.598	..	..	..	15	10	18	566	268	5,802	47	32	6.758	2.628
1877	30,289	..	30,289	..	..	..	1.324	214	95	1.824	234	13,867	72	196	17.806	6.567
1878	37.799	..	37,799	..	..	..	3 569	996	1.790	4 306	524	17 793	321	426	30.051	12,244
*1879	47.334	6 721	54.059	..	..	..	6 320	2.501	1.735	5,567	404	24,888	881	607	42 093	8,856
1880	61 965	3 980	64 245	..	..	..	8.050	3,303	1,293	7,506	53	23.271	89	6	45,571	5,332
1881	55 705	7,834	63,539	..	..	..	11 039	4,698	784	6,978	4	30 787	61	80	54.411	5,112
1882	82 286	6,458	88,744	..	..	..	17,759	8.756	745	11,125	34	59 238	153	135	77 945	7.906
1883	97 200	16,514	113,714	..	..	..	21 442	15.896	752	13,319	457	39,857	141	25	89,889	8,546
1884	137,075	12,858	149,933	25	552	526	29,293	16,165	474	15,795	271	49,622	30	87	112,150	12,446
†1885	150,221	27,954	178,175	50	1.975	1,808	39 662	14,547	326	22,011	559	66 928	8	10	147,894	9,699
1886	175,291	50 089	225,380	139	1 269	2 350	38.443	14,517	117	24.018	270	61.761	80	20	142 974	9 098
1887	178,790	88.435	267.225	25	2 416	2,521	52,400	18 336	40	29.909	51	76 044	30	5	182 152	11,138
1888	187,368	90.242	277,610	..	2,844	2,649	55,559	17,428	94	30,155	59	73 279	..	131	182,198	8,215

* Direct shipment to Japan commenced. † Direct shipment to Shanghai commenced.

No. 104.

Regarding values we have only met with a statement covering five years which we annex :—

Comparative Table of Values.

Year.	4s.	6s.	8s.	10s.	12s.	14s.	16s.	18s.	20s.	22s.	24s.
1887...	Nil.	27/58	51/61	54/66	58½/68	61/71	66/74½	68/72	66½/78½	69/79	80
1886...	56	57/62	61/64½	55/67½	63/69½	66/70	66/72½	67/76½	68 78½	77	77
1885...	55/56½	54/63	58/66	57/67½	57/69½	57/72	66,72	67½/74½	66/75½	72	Nil.
1884...	53	55/62	58/63⅜	58/67	59/70	61/70¾	68 73	68 81	68 80½	71	72/79
1883...	Nil.	Nil.	Nil.	61½/70	62/74	66/74	69/75½	79/80	71/83	Nil.	Nil.

Japan.

The following remarks have been extracted from the Circular of Messrs. Fearon, Low & Co., Kobe, dated December 31, 1888 :—

No. 105.

We have to report a further heavy increase in the trade in Indian Cotton yarns during the past year, and the following comparison of the imports and deliveries during the four preceding years will prove of interest to both spinners and merchants, in showing them the important strides made, as well as giving them an idea of the consuming power of this market :—

Receipts	1884	...	...	...	...	... 14,833	bales.
„	1885	...	...	...	...	... 21,755	„
„	1886	...	...	...	...	... 28,450	„
„	1887	...	...	...	...	... 40,616	„
„	1888	...	...	...	...	... 53,368	„
Deliveries	1884	...	...	...	...	... 16,978	„
„	1885	...	...	...	...	... 21,393	„
„	1886	...	...	...	...	... 26,438	„
„	1887	...	...	...	...	... 39,627	„
„	1888	...	...	...	...	... 51,692	„

The stock carried over from the previous year amounted to 5,304 bales, and closes with 7,384 bales on hand; this at a fair estimate is sufficient for two months' requirements.

* * * * * * * *

The principal feature of trade during the year has been the steady enquiry for best spinnings, almost to the total exclusion of common kinds, the preference throughout being given to ring twists. During the early part of the year reverse threads were introduced with some success, but the trade became rapidly overdone, and prices quickly declined to a point that must have left importers very serious losses. This branch of the trade is not likely to again assume any proportion, as the demand is now being supplied from local manufacture, which is greatly preferred to the imported article.

Regarding the business for the coming year we are afraid that Bombay spinners will meet with severe competition from local manufactures, whose industry is now assuming considerable importance. Throughout the country there are at present twenty-two cotton-spinning mills, working 102,600 spindles, with 60,000 more which will be brought into effect very shortly. There are also eleven mills in course of construction aggregating 79,000 spindles. The whole of these mills are erected with a view to ultimate extension, so that in the near future a very formidable competition will exist against the imported article.

Cotton Presses in India.

Considerable difficulty has been experienced in compiling the annexed tables. The list, we fear, is not complete, but we give all the particulars we have secured.

COTTON PRESSES IN INDIA.

No. 106.

Cotton Pressing Companies.

No.	Name of Company.	Head Office at	Nominal Capital.	Registered.	Presses at
			Rupees.		
1	Akbar M. & P. Co., Ld. ..	Bombay ..	2,50,000	1878	Bombay and Ahmednagar.
2	Albert P. Co., Ld.	Do. ..	2,42,000	1880	Kurrachee, Bhavnagar and Mhowa.
3	Bellary P. Co., Ld.	Do. ..	2,10,000	1872	Bellary and Adoni (Madras).
4	Bhavnagar City P. & M. Co., Ld.	Do. ..	1,37,500	1885	Bhavnagar.
5	Bombay Cotton P. Co., Ld. ..	Do. ..	1,50,000	1883	Bombay.
6	Breul's (Cawnpore) Cotton P. Co., Ld.	Do. ..	1,00,000	1884	Dhamamgaum (Berars).
7	Colaba P. Co., Ld.	Do. ..	5,00,000	1864	Bombay.
8	Fort P. Co., Ld.	Do. ..	12,75,000	1863	Bombay and Bhavnagar.
9	French P. Co., Ld.	Do. ..	1,50,000	1874	Khamgaum (Berars).
10	Harvey and Sabapathy Co., Ld.	Do. ..	2,25,000	1883	Ahmednagar and Wudwan (Bombay); Amraoti and Akola (Berars).
11	Hingoli P. Co., Ld.	Do. ..	2,00,000	1884	Akola (Berars) and Hingoli (Hyderabad).
12	Khamgaum C. P. Co., Ld. ..	Do. ..	1,08,000	1882	Khamgaum (Berars).
13	Kurrachee P. Co., Ld. ..	Do. ..	1,31,500	1878	Kurrachee.
14	Mofussil Co., Ld.	Do. ..	12,50,000	1870	Delhi (Punjab), Agra, Etawah and Kosi (N.-W. P.), Bhilwara and Kekri (Rajputana), Wurdha (C. P.), Amraoti, Khamgaum, Karinja and Sheagaon (Berars), Broach, Randere, Dhoraji and Julgaon (Bombay).
15	Mahamadpura C. G. & P. Co., Ld.	Do. ..	2,00,000	1884	Broach.
16	Mercantile P. Co., Ld, ..	Do. ..	2,00,000	1882	Bhavnagar and Mhowa.
17	Manmad M. Co., Ld.	Do. ..	3,50,000	1883	Chalisgaum and Pachora.
18	English P. & M. Co., Ld. ..	Do. ..	1,00,000	1887	Khamgaum (Berars).
19	New Apollo P. Co., Ld. ..	Do. ..	3,00,000	1881	Bombay.
20	New Berar Co., Ld.	Do. ..	6,25,000	1874	Wudwan and Julgaon (Bombay), Khamgaum, Akote and Amraoti (Berars), and Tuticorin (Madras).
21	Indian C. Co., Ld.	Do. ..	7,50,000	1886	Bhavnagar, Barsee, Bhosawul, Dhulia, Khajgaum and Veeramgaum (Bombay).
22	New East India P. Co., Ld..	Do. ..	3,52,000	1874	Julgaon and Barsee (Bombay) and Murtizapore and Karinja (Berars).
23	Pachora G. and P. Co., Ld...	Do. ..	1,50,000	1886	Pachora.
24	Prince of Wales P. Co., Ld...	Do. ..	3,00,000	1887	Bombay and Hubli.
25	Scinde and Punjab C. P. Co., Ld.	Do. ..	1,00,000	1871	Kurrachee.
26	Sind P. Co., Ld.	Do. ..	3,40,000	1872	Ditto.
27	Victoria C. G. & P. Co., Ld..	Do. ..	1,50,000	1864	Broach.
28	Volkart's United P. Co., Ld.	Do. ..	4,50,000	1873	Bhavnagar, Dhulia, Julgaon (Bombay). Amraoti (Berars), and Tuticorin (Madras).
29					
30					
31					
32					
33					
34	Agra P. Co., Ld.	Calcutta ..	1,55,000	1883	Agra.
35	Cawnpore C. P. Co., Ld. ..	Do. ..	1,00,000	1884	Cawnpore.
36					
37					
38	West's P. P. Co., Ld... ..	England ..	£ 100,000	....	Bhiwani, Delhi, Fazilka and Umballa (Punjab); Agra, Aligarh, Cawnpore, Chandausi, Etawah, Ferozabad, Kasganj and Saharanpore (N.-W. P.); Beawar and Kekri (Rajputana); Amraoti (Berars); Sukkur (Sind); Bagalkote, Gadag and Hubli (Bombay); and Guntoor (Madras).
39	Southern India P. Co., Ld...	Madras ..	1,00,000	1881	Viruduputte (Madras).
40	Jamal Madugu P. Co., Ld...	Do. ..	70,000	1882	Jaugulpille do.
41	Tirupur P. Co., Ld.	Do. ..	70,000	1882	Tirupur do.
42	Ripon P. Co., Ld.	Do. ..	1,25,000	1882	Raichore (Nizam's territory).
43	Western P. Co., Ld.	Bellary ..	60,000	1882	Bellary (Madras).
44	Sabapathy P. Co., Ld. ..	Madras ..	2,50,000	1883	Raichore (Nizam's); Bellary, Adoni, Tadputri (Madras).
45	Tinnevelly C. P. Co., Ld. ..	Do. ..	1,00,000	1885	Viruduputti (Madras.).

N.B.—Numerous small Companies exist, but the above are the principal ones, of which particulars have been obtained.

No. 107.

Cotton Presses in India.

Steam Presses unless otherwise stated.

No.	No.	Place.	Province.	Name of Press.	No. of Presses.	Managers or Agents.
1	1	Bhiwani	Punjab	West's P. P. Co.,, Ld. ..	1	E. A. West.
2	2	Do.	Do.	.....	1	Natives.
3	3	Delhi	Do.	West's P. P. Co., Ld. ..	1	E. A. West.
4	4	Do.	Do.	Mofussil Co., Ld.	1	A. W. Campbell.
5	5	Do.	Do.	.....	2	A. John and Teckeram.
6	6	Ferozepore ..	Do.	.....	1	
7	7	Fazilka	Do.	West's P. P. Co., Ld. ..	1	E. A. West.
8	8	Rewari	Do.	.....	1	Hurmookrai Govindram.
9	9	Ludhiana	Do.	.....	1	
10	10	Umballa	Do.	West's P. P. Co., Ld. ..	1	E. A. West.
11	11	Umritsar,. ..	Do.	.....	1	
12	1	Agra	N.-W. Provinces ..	Agra P. Co., Ld. ..	2	Reinhold and Rustomjee.
13	2	Do.	Do. ..	.....	1	A. John and Teckeram.
14	3	Do.	Do. ..	Hydraulic C. P. Co. ..	1	Ahmedbhoy Habibbhai.
15	4	Do.	Do. ..	West's P. P. Co., Ld. ..	1	E. A. West.
16	5	Do.	Do. ..	Mofussil P. Co., Ld. ..	1	A. W. Campbell.
17	6	Do.	Do. ..	.....	1	Otto Weylandt & Co.
18	7	Aligarh	Do. ..	West's P. P. Co., Ld. ..	1	E. A. West.
19	8	Do.	Do. ..	.....	1	Phoolchund Lachminarain.
20	9	Do.	Do. ..	.....	1	Hamooman Parshad and Keshubdass.
21	10	Cawnpore ..	Do. ..	Hydraulic P. Co. ..	2	Ramnate Baiznath.
22	11	Do. ..	Do. ..	Cawnpore C. P. Co., Ld. ..	1	Beer Brothers.
23	12	Do. ..	Do. ..	West's P. P. Co., Ld. ..	1	E. A. West.
24	13	Chandausi .	Do. ..	Do. ..	1	Do.
25	14	Etawah	Do. ..	Do. ..	1	Do.
26	15	Do.	Do. ..	Mofussil P. Co., Ld. ..	1	A. W. Campbell.
27	16	Ferozabad ..	Do. ..	West's P. P. Co., Ld. ..	1	E. A. West.
28	17	Hattras	Do. ..	.....	1	Poolchund & Nuchin Narain
29	18	Do.	Do. ..	.....	1	Natives.
30	19	Do.	Do. ..	(Press 500 lbs.) ..	1	Do.
31	20	Kasgunj	Do. ..	West's P. P. Co., Ld. ..	1	E. A. West.
32	21	Kosi	Do. ..	Mofussil Co., Ld. ..	1	A. W. Campbell.
33	22	Saharanpore ..	Do. ..	West's P. P. Co., Ld. ..	1	E. A. West.
34	1	Indore	Central India ..	Maharajah Holkar ..	1	State Factory.
35	2	Morena	Do. ..	Maharajah of Gwalior ..	2	Do.
36	3	Ojjain	Do. ..	.....	1	
37	1	Beawar	Rajputana ..	.....	2	Motilal Balkissen. [chund.
38	2	Do.	Do. ..	.....	1	Hurmookrai Ahmooluck-
39	3	Do.	Do. ..	West's P. Co., Ld. ..	1	E. A. West.
40	4	Do.	Do. ..	Beawar New C. P. Co. ..	1	Natives.
41	5	Bhilwara ..	Do. ..	Mofussil Co., Ld.	1	A. W. Campbell.
42	6	Kekri	Do. ..	Do.	1	Do.
43	7	Do.	Do. ..	West's P. P. Co., Ld. ..	1	E. A. West.
44	8	Nusserabad ..	Do. ..	Nusserabad P. Co. ..	1	A. John and Teckaram.
45	9	Jeypore	Do. ..	.....	1	State Factory.
46	10	Kishengurh ..	Do. ..	.....	1	Do.
47	11	Telarina	Do. ..	.....	1	
48	12	Ulwar	Do. ..	.....	1	Harmookrai Govindram.
49	1	Wurda	Central Provinces..	Mofussil Co., Ld.	1	A. W. Campbell.
50	2	Do.	Do.	Jadhowji Press.	2	Mooljee Jaita & Co.
51	3	Hingunghat ..	Do.	Warwick's Press	1	Natives
52	4	Do.	Do.	.....	1	Ragchund Mehta.
53	1	Amraoti [Oomra-wutee]	Berars	Harvey & Sabapathy P. Co., Ld.	1	A. Sabapathy Moodliar&Co
54	2	Do.	Do.	Mofussil Co., Ld.	1	A. W. Campbell.
55	3	Do.	Do.	New Berar P. Co., Ld. ..	2	Gaddum Bythell & Co.
56	4	Do.	Do.	.....	1	Ralli Brothers.
57	5	Do.	Do.	Volkart's United P. Co., Ld.	1	Breul & Co.
58	6	Do.	Do.	West's P. P. Co., Ld. ..	1	E. A. West.
59	7	Akola.	Do.	Harvey & Sabapathy P. Co., Ld.	2	A. Sabapathy Moodliar & C .

No. 107—*contd.*

No.	No.	Place.	Province.	Name of Press.	No. of Presses.	Managers or Agents.
60	8	Akola	Berars	Hingoli P. Co., Ld. ..	1	Breul & Co.
61	9	Do.	Do.	.....	1	Bharmal Bojraj.
62	10	Do.	Do.	New Akola P. Co., Ld. ..	1	Natives.
63	11	Akote.	Do.	New Berar P. Co., Ld. ..	1	Gaddum, Bythell & Co.
64	12	Budneira.. ..	Do.	.....	1	
65	13	Dhamamgaum. ..	Do.	.....	1	Breul & Co.
66	14	Do. ..	Do.	.....	1	Motilal Balkissen
67	15	Do. ..	Do.	.....	1	Moojiram Buldeo.
68	16	Khamgaon ..	Do.	Mofussil Co., Ld.	1	A. W. Campbell.
69	17	Do. ..	Do.	New Berar P. Co., Ld. ..	2	Gaddum, Bythell & Co.
70	18	Do. ..	Do.	Khamgaon P. Co., Ld. ..	2	Breul & Co.
71	19	Do. ..	Do.	French P. Co., Ld.. ..	2	Booth & Co.
72	20	Do. .	Do.	English P. Co., Ld. ..	1	Wadia.
73	21	Karinja	Do.	Mofussil Co., Ld.	1	A. W. Campbell.
74	22	Do.	Do.	New East India P. Co., Ld.	1	Mooljee Jaitha & Co.
75	23	Murtizapore ..	Do.	Do.	1	Do.
76	24	Sheagaon.. ..	Do.	Mofussil Co., Ld.	1	A. W. Campbell.
76*a*	25	Do.	Do.	.....	2	Ralli Brothers.
77	1	Hingoli.	Nizàm's Territory..	Hingoli C. P. Co., Ld. ..	1	Breul & Co.
78	2	Raichore	Do. ..	Sabapathy P. Co., Ld. ..	1	A.Sabapathy Moodliar & Co.
79	3	Do.	Do. ..	Ripon P. Co., Ld. ..	1	Do.
80	4	Do.	Do. ..	Raichore P. Co., Ld. ..	1	Dymes & Co.
81	1	Kurrachee. ..	Sind.	Albert P. Co., Ld. ..	3	Jehanghir Hormusjee & Co.
82	2	Do.	Do.	Sind & Punjab P. Co., Ld..	2	Mooljee Jaitha & Co.
83	3	Do.	Do.	Kurrachee P. Co., Ld. ..	3	Tyabjee & Co.
84	4	Do.	Do.	Sind P. Co., Ld.	4	A. McHinch & Co.
85	5	Do.	Do.	Eduljee Dinshaw P. ..	2	Sir Charles Forbes & Co.
86	6	Sukkur.	Do.	West P. P. Co., Ld. ..	1	E. A. West.
		Bombay City				
87	1	Carnac Bunder ..	Bombay.	Akbar M. & P. Co., Ld. ..	7	Rahimbhoy Alladinbhoy & Co.
88	2	Victoria do., Colaba	Do.	Bombay C. P. Co., Ld. ..	4	K. M. Heeramaneck & Co.
89	3	Do. do. do.	Do.	Scott's Press.	8	Asser Veerjee
90	4	Arthur do. do.	Do.	Colaba P. Co., Ld. ..	6	Ahmedbhoy Hubibbhoy
91	5	Do. do. do.	Do.	Fort P. Co., Ld.	10	Glade & Co.
92	6	Lower Colaba ..	Do.	New Apollo P. Co., Ld. ..	12	Ahmedbhoy Hubibbhoy.
93	7	Victoria Bunder, Colaba	Do.	New Prince of Wales P. Co., Ld.	3	Sir Charles Forbes & Co.
94	8	Lower Colaba ..	Do.	Chanda Ramjee Press. ..	4	Chanda Ramjee.
95	9	Sassoon Dock ..	Do.	Sassoon's Press	5	D. Sassoon & Co.
96	10	Mazagon	Do.	LeGeyt's Press	2	Pragjee Heerjee.
97	1	Ahmednagar ..	Do. [Ahmednagar]	Akbar M. & P. Co., Ld. ..	2	Rahimbhoy Alladinbhoy & Co.
98	2	Do. ...	Do. do. ..	Harvey and Sabapathy P. Co., Ld.	2	A. Sabapathy Moodliar & Co.
99	3	Do. ..	Do. do. ..	Ahmednagar P. Co., Ld ...	1	Alladinbhoy Hubibbhoy & Co.
100	4	Broach	Do. [Broach] ..	Mofussil Co., Ld. ..	1	A. W. Campbell.
101	5	Do.	Do. do. ..	Anglo-Indian G.&P.Co., Ld.	1	Gaddum, Bythell & Co.
102	6	Do.	Do. do. ..	.....	1	Greaves, Cotton & Co.
103	7	Do.	Do. do. ..	.....	1	Rustomjee Hormusjee
104	8	Do.	Do. do. ..	Mahamapudra G. & P. Co., Ld.	1	Dinshaw Furdonjee.
105	9	Bhavnagar ..	Do. [Kattywar]	Indian C. Co., Ld. ..	5	Gaddum, Bythell & Co.
106	10	Do. ..	Do. do. ..	Victoria C. G. & P. Co., Ld.	2	Dinshaw
107	11	Do. ..	Do. do. ..	Mercantile P. Co., Ld. ..	2	Tulluckchund & Shapurjee.
108	12	Do. ..	Do. do. ..	Volkart's United P. Co., Ld.	2	Volkart Brothers.
109	13	Do. ..	Do. do. ..	Bhavnagar City P. and M. Co., Ld.	2	Venishunker Luxmishunker & Co.
110	14	Do. ..	Do. do. ..	Fort P. Co., Ld.	3	Glade & Co.
111	15	Do. ..	Do. do. ..	Albert P. Co., Ld. ..	2	Jehanghir Hormusjee & Co.
112	16	Dhollera	Do. do. ..	Victoria C. G. & P. Co., Ld.	1	A. Whittle & Co.
113	17	Mhowa	Do. do. ..	Albert P. Co., Ld. ..	2	Jehanghir Hormusjee & Co.
114	18	Do.	Do. do. ..	Mercantile P. Co., Ld. ..	1	Tullockchund & Shapurjee.
115	19	Wudwan	Do. do. ..	New Berar Co., Ld. ..	2	Gaddum, Bythell & Co.
116	20	Do.	Do. do. ..	Hervey & Sabapathy Co., Ld.	1	A. Sabapathy Moodliar & Co.
117	21	Do.	Do. do. ..	.....	1	A. Whittle & Co.
118	22	Dhoraji	Do. do. ..	Mofussil Co., Ld. ..	1	A. W. Campbell.
119	23	Pallej	Do. [Broach] ..	.....	1	Rustomjee Hormasjee.
120	24	Randere	Do. do. ..	Mofussil Co., Ld. ..	1	A. W. Campbell.
121	25	Surat	Do. [Surat] ..	Almond's Press.	1	Ahmedbhoy Hubibbhoy.

No. 107.—*contd.*

No.	No.	Place.	Province.	Name of Press.	No. of Presses.	Managers or Agents.
122	26	Ranpore	Bombay [Ahmedabad]	.....	1	A. Whittle & Co.
123	27	Veeramgaum ..	Do. do. ..	Indian P. Co., Ld. ..	1	Gaddum, Bythell & Co.
124	28	Do. ..	Do. do. ..	Union P. Co., Ld. ..	1	
125	29	Do. ..	Do. do. ..	Victoria C. G. P. Co., Ld. ..	2	A. Whittle & Co.
126	30	Chalisgaum ..	Do. [Khandesh]	Munmad P. Co., Ld. ..	2	Mooljeebhoy Jeevraj & Co.
127	31	Dhulia	Do. do. ..	Do.	1	Do.
128	32	Do.	Do. do. ..	Indian C. Co., Ld. ..	2	Gaddum, Bythell & Co.
129	33	Do.	Do. do. ..	Volkart's United P. Co., Ld.	1	Volkart Brothers.
130	34	Julgaum	Do. do. ..	Mofussil Co., Ld. ..	1	A. W. Campbell
131	35	Do.	Do. do. ..	New East Indian P. Co., Ld.	4	Mooljee Jaitha & Co.
132	36	Do.	Do. do. ..	New Berar Co., Ld. ..	3	Gaddum, Bythell & Co.
133	37	Do.	Do. do. ..	Volkart's United P. Co., Ld.	1	Volkart Brothers.
134	38	Kajgaum. ..	Do. do. ..	Indian C. Co., Ld. ..	1	Gaddum, Bythell & Co.
135	39	Do.	Do. do. ..	.....	1	
136	40	Pachora	Do. do. ..	Pachora G. Co., Ld. ..	1	
137	41	Do.	Do. do. ..	New Pachora M. & G. Co., Ld.	1	Mathurdas Goculdas & Co.
138	42	Do.	Do. do. ..	Munmad P. Co., Ld.	1	Mooljeebhoy Jeevraj & Co.
139	43	Souda	Do. do. ..	.....	1	
140	44	Bhosawul ..	Do. do. ..	Indian C. Co., Ld. ..	1	Gaddum, Bythell & Co.
141	45	Barsee	Do. [Sholapur]	New East Indian P. Co., Ld.	3	Mooljee Jaitha & Co.,
142	46	Do.	Do. do. ..	Indian C. Co., Ld.. ..	3	Gaddum, Bythell & Co.,
143	47	Bagallcote ..	Do. [Bijapore]..	West's P. P. Co., Ld. ..	1	E. A. West.
144	48	Gadug	Do. [Dharwar]..	Do.	1	Do.
145	49	Do.	Do. do. ..	S. Maharatta G. & P. Co., Ld.	2	Framjee & Co.
146	50	Hubli	Do. do. ..	West's P. P. Co., Ld. ..	1	E. A. West.
147	51	Do.	Do. do. ..	S. Maharatta G. & P. Co., Ld.	1	Framjee & Co.
148	52	Do.	Do. do. ..	New Prince of Wales P. Co., Ld.	1	Sir Charles Forbes & Co.
149	1	Madras City ..	Madras	(Hand Power)	1	Sir P. S. Ramasawmy Moodliar, C.I.E.
150	2	Adoni	Do.	Bellary P. Co., Ld... ..	1	Tooljaram Navilram.
151	3	Do.	Do.	Sabapathy P. Co., Ld. ..	1	Sabapathy Moodliar & Co.
152	4	Do.	Do.	.....	1	Framjee & Co.
153	5	Do.	Do.	.....	2	Dymes & Co.
154	6	Bellary	Do.	Western P. Co., Ld. ..	1	Abraham & Co.
155	7	Do.	Do.	Sabapathy P. Co., Ld. ..	1	Sabapathy Moodliar & Co.
156	8	Do.	Do.	.....	1	Dymes & Co.
157	9	Do.	Do.	Bellary P. Co., Ld. ..	1	Tooljaram Navilram.
158	10	Tinuacherla (Guntakal).	Do.	.....	1	Arbuthnot & Co.
159	11	Tadputri	Do.	Tadputri C. P. Co., Ld. ..	1	Dymes & Co.
160	12	Do.	Do.	Sabapathy P. Co., Ld. ..	1	Sabapathy Moodliar & Co.
161	13	Proodatoor ..	Do.	.....	1	Dymes & Co.
162	14	Jaugulpille ..	Do.	Jamalmadugu P. Co., Ld. ..	1	Binny & Co.
163	15	Tirupur	Do.	Tirupur P. Co., Ld. ..	1	Do.
164	16	Erode	Do.	.....	1	Do.
165	17	Palladum ..	Do.	.....	1	Framjee & Co.
166	18	Coimbatore ..	Do.	.....	1	T. Stanes & Co.
167	19	Tuticorin ..	Do.	New Berar P. Co., Ld. ..	2	Gaddum, Bythell & Co.
168	20	Do.	Do.	.....	1	Milligan & Co.
169	21	Do.	Do.	Volkart's United P. Co., Ld.	1	Volkart Bros,
170	22	Do.	Do.	.....	1	Darley Butler & Co.
171	23	Do.	Do.	Tuticorin C. P. Co., Ld. ..	1	G. H. Alston.
172	24	Virudupatti ..	Do.	Southern India P. Co., Ld..	1	A. Sabapathy Moodliar & Co.
173	25	Do.	Do.	Tuticorin C. P. Co., Ld. ..	1	J. H. Alston.
174	26	Do.	Do.	Tinnevelly C. P. Co., Ld. ..	1	Dymes & Co.
175	27	Do.	Do.	.....	1	A. & F. Harvey.
176	28	Satur	Do.	.....	1	Do.
177	29	Guntoor	Do.	West's P. P. Co., Ld. ..	1	R. P. Gill & Co.
178	30	Do.	Do.	Gill's Press	1	R. P. Gill & Co.
179	31	Do.	Do.	(Hand Power) ..	1	Dymes & Co.
180	32	Do.	Do.	(Do.) ..	1	Simson Bros.
181	1	Calcutta	Bengal	Calcutta Hydraulic P. Co., Ld.	4	(Watson's) Leo Zander & Co.
182	2	Do.	Do.	Camperdown P. Co., Ld. ..	6	(Nasmyth's) Macdowell, Mathven & Co.
183	3	Do.	Do.	Canal P. Co., Ld.	2	{2 Watson's, 1 Nasmyth's,} Do.
184	4	Do.	Do.	Chitpore Hy. P. Co., Ld ..	4	(Watson's) N. J. Valetta & Co.
185	5	Do. (in Liquidation.)	Do.	Jhell Jute P. Co., Ld. ..	4	(Nasmyth's) Kettlewell Bullen & Co.
186	6	Do. ..	Do.	Nasmyth's P. P. Co., Ld. ..	8	{(5 Watson's) (3 Nasmyth's)} J. Duffus & Co.
187	7	Do. ..	Do.	Ramkistopore P. Co., Ld. ..	2	(Watson's) J. Rustom.
188	8	Do. ..	Do.	Riverside P. Co., Ld. ..	4	(Nasmyth's) Stanley & Co.
189	9	Do. ..	Do.	Strand Bank P. Co., Ld. .	6	(Watson's) Voigt & Co.
190	10	Do. ..	Do.	Watson's P. P. Co., Ld. ..	4	(Do.) Geo. Henderson & Co.

N.B.—The above and many others throughout Bengal are available for Cotton pressing, but are almost entirely used for pressing Jute.

COTTON

INDIA

Scale of Miles

50 0 50 100 150 200 250 300 350 400

REFERENCE.

Under 10 per cent. of the cultivated area	
Between 10 and 20 per cent.	*do.*
Do. 20 and 30	*do.* *do.*
Do. 30 and 40	*do.* *do.*
Do. 40 and 50	*do.*

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